

# TV over IP Ch List & IP Adresses



Valid from **06.07.2017** (Subject to change)

Total 323 Services. 79 TV HD + 131 TV SD = Total 210 TV Services Radio: 113 Services

Note: bitrate is dependent on program content, and can vary.

Average bitrates: TV HD: 11.0 Mbps; TV SD: 4.5 Mbps; Radio: 0.4 Mbps

Note: += supported languages on many TV services are time and content dependent. E.g.: movies are often in multiple languages.

| TV Channel           | IP Address    | Mcast Port | SID  | Type  | Country ISO 3166-1 | Language ISO 639-1 | EPG | Audio |      | BW Mb/s | Group Name              | Set TSID |
|----------------------|---------------|------------|------|-------|--------------------|--------------------|-----|-------|------|---------|-------------------------|----------|
|                      |               |            |      |       |                    |                    |     | mpeg  | ac-3 |         |                         |          |
| SRF 1 HD             | 239.192.0.82  | 3791       | 9038 | TV HD | CH                 | de, +              | x   | x     | x    | 13.1    | German CH public        | 1        |
| SRF zwei HD          | 239.192.0.83  | 3791       | 9039 | TV HD | CH                 | de, +              | x   | x     | x    | 13.1    |                         |          |
| SRF info HD          | 239.192.0.205 | 3791       | 9029 | TV HD | CH                 | de                 | x   | x     | ?    | 12.9    |                         |          |
| Servus TV HD         | 239.192.0.33  | 3791       | 9009 | TV HD | AT                 | de                 | x   | x     | x    | 11.9    | German CH privat 1      | 2        |
| TV24 HD              | 239.192.0.201 | 3791       | 9256 | TV HD | CH                 | de                 | x   | x     |      | 9.1     |                         |          |
| TV25 HD              | 239.192.0.35  | 3791       | 9255 | TV HD | CH                 | de                 | x   | x     | ?    | 9.1     |                         |          |
| S1 HD                | 239.192.0.88  | 3791       | 9201 | TV HD | CH                 | de                 | x   | x     |      | 10.0    |                         |          |
| TVO HD               | 239.192.0.220 | 3791       | 9374 | TV HD | CH                 | de                 | x   | x     |      | 7.4     | German CH reg 1         | 3        |
| Tele 1 HD            | 239.192.0.223 | 3791       | 9253 | TV HD | CH                 | de                 | x   | x     | ?    | 9.0     |                         |          |
| arte                 | 239.192.0.49  | 3791       | 62   | TV SD | FR                 | de, fr             | x   | x     |      | 7.1     |                         |          |
| TeleZüri HD          | 239.192.0.200 | 3791       | 9254 | TV HD | CH                 | de                 | x   | x     |      | 9.2     |                         |          |
| 3+ HD                | 239.192.0.69  | 3791       | 9010 | TV HD | CH                 | de                 | x   | x     | x    | 10.7    | German CH privat 2      | 14       |
| 4+ HD                | 239.192.0.70  | 3791       | 9056 | TV HD | CH                 | de                 | x   | x     | x    | 10.7    |                         |          |
| 5+ HD                | 239.192.0.60  | 3791       | 9250 | TV HD | CH                 | de                 | x   | x     | ?    | 9.6     |                         |          |
| Tele 5               | 239.192.0.45  | 3791       | 52   | TV SD | DE                 | de                 | x   | x     |      | 4.1     | German SD Entertainment | 38       |
| Super RTL            | 239.192.0.46  | 3791       | 37   | TV SD | DE                 | de                 | x   | x     |      | 5.2     |                         |          |
| Tele 1               | 239.192.0.186 | 3791       | 26   | TV SD | CH                 | de                 | x   | x     |      | 4.5     |                         |          |
| ONE                  | 239.192.0.26  | 3791       | 70   | TV SD | DE                 | de                 | x   | x     | x    | 8.2     |                         |          |
| SCHWEIZ5             | 239.192.0.6   | 3791       | 78   | TV SD | CH                 | de                 | x   | x     |      | 5.3     |                         |          |
| ORF eins HD          | 239.192.0.66  | 3791       | 9036 | TV HD | AT                 | de                 | x   |       | x    | 10.2    | German AUT              | 4        |
| ORF 2 HD             | 239.192.0.67  | 3791       | 9037 | TV HD | AT                 | de                 | x   |       | x    | 10.0    |                         |          |
| 3sat HD              | 239.192.0.214 | 3791       | 9002 | TV HD | DE                 | de                 | x   | x     | x    | 15.0    |                         |          |
| Das Erste HD         | 239.192.0.64  | 3791       | 9006 | TV HD | DE                 | de                 | x   | x     | x    | 10.5    | German DE public        | 5        |
| ZDF HD               | 239.192.0.65  | 3791       | 9007 | TV HD | DE                 | de                 | x   | x     | x    | 10.7    |                         |          |
| arte HD              | 239.192.0.63  | 3791       | 9004 | TV HD | DE                 | de                 | x   | x     | x    | 12.9    |                         |          |
| SRF 1                | 239.192.0.1   | 3791       | 2    | TV SD | CH                 | de, +              | x   | x     |      | 2.6     | German SD CH            | 33       |
| SRF zwei             | 239.192.0.2   | 3791       | 3    | TV SD | CH                 | de, +              | x   | x     |      | 2.9     |                         |          |
| SRF info             | 239.192.0.3   | 3791       | 4    | TV SD | CH                 | de                 | x   | x     |      | 2.2     |                         |          |
| TeleZüri             | 239.192.0.188 | 3791       | 20   | TV SD | CH                 | de                 | x   | x     |      | 5.6     |                         |          |
| 3+                   | 239.192.0.4   | 3791       | 15   | TV SD | CH                 | de                 | x   | x     |      | 5.6     |                         |          |
| 4+                   | 239.192.0.68  | 3791       | 16   | TV SD | CH                 | de                 | x   | x     | x    | 5.6     |                         |          |
| Das Erste            | 239.192.0.7   | 3791       | 5    | TV SD | DE                 | de                 | x   | x     | x    | 8.4     | German SD DE/AUT        | 32       |
| ZDF                  | 239.192.0.8   | 3791       | 6    | TV SD | DE                 | de                 | x   | x     | x    | 6.0     |                         |          |
| ORF eins             | 239.192.0.14  | 3791       | 7    | TV SD | AT                 | de                 | x   | x     | x    | 6.8     |                         |          |
| ORF 2                | 239.192.0.15  | 3791       | 8    | TV SD | AT                 | de                 | x   | x     | x    | 5.5     |                         |          |
| 3sat                 | 239.192.0.50  | 3791       | 61   | TV SD | DE                 | de                 | x   | x     | x    | 8.8     |                         |          |
| WDR Fernsehen Köln   | 239.192.0.11  | 3791       | 55   | TV SD | DE                 | de                 | x   | x     |      | 3.6     | German SD DE dritte     | 6        |
| NDR FS NDS           | 239.192.0.13  | 3791       | 57   | TV SD | DE                 | de                 | x   | x     |      | 8.2     |                         |          |
| MDR Sachsen          | 239.192.0.12  | 3791       | 56   | TV SD | DE                 | de                 | x   | x     |      | 8.5     |                         |          |
| Bayerisches FS Süd   | 239.192.0.9   | 3791       | 54   | TV SD | DE                 | de                 | x   | x     | x    | 8.1     |                         |          |
| SWR Fernsehen BW     | 239.192.0.10  | 3791       | 53   | TV SD | DE                 | de                 | x   | x     | x    | 6.6     |                         |          |
| nickelodeon          | 239.192.0.42  | 3791       | 31   | TV SD | DE                 | de                 | x   | x     | x    | 5.2     | German SD Young         | 34       |
| ComedyVIVA           | 239.192.0.47  | 3791       | 35   | TV SD | DE                 | de                 | x   | x     | x    | 6.6     |                         |          |
| KiKA                 | 239.192.0.48  | 3791       | 36   | TV SD | DE                 | de                 | x   | x     | x    | 5.0     |                         |          |
| ULS                  | 239.192.0.240 | 3791       | 9382 | TV HD | CH                 | de                 | x   | x     | ?    | 7.1     |                         |          |
| MTV                  | 239.192.0.43  | 3791       | 33   | TV SD | CH                 | de                 | x   | x     | x    | 4.8     |                         |          |
| Star TV              | 239.192.0.5   | 3791       | 30   | TV SD | CH                 | de                 | x   | x     |      | 4.4     |                         |          |
| SPORT1               | 239.192.0.41  | 3791       | 40   | TV SD | DE                 | de                 | x   | x     |      | 2.4     | German SD CH regional   | 35       |
| Tele Bärn            | 239.192.0.180 | 3791       | 22   | TV SD | CH                 | de                 | x   | x     |      | 5.5     |                         |          |
| Telebasel            | 239.192.0.181 | 3791       | 23   | TV SD | CH                 | de                 | x   | x     |      | 5.8     |                         |          |
| Tele M1              | 239.192.0.185 | 3791       | 25   | TV SD | CH                 | de                 | x   | x     |      | 5.6     |                         |          |
| TV Südostschweiz     | 239.192.0.184 | 3791       | 28   | TV SD | CH                 | de                 | x   | x     |      | 4.4     |                         |          |
| Tele Z               | 239.192.0.189 | 3791       | 21   | TV SD | CH                 | de                 | x   | x     |      | 4.1     |                         |          |
| Tele Top             | 239.192.0.187 | 3791       | 24   | TV SD | CH                 | de                 | x   | x     |      | 5.4     |                         |          |
| WDR Fernsehen HD     | 239.192.0.208 | 3791       | 9046 | TV HD | DE                 | de                 | x   | x     | ?    | 10.4    | German DE reg 1         | 7        |
| hr-fernsehen HD      | 239.192.0.39  | 3791       | 9262 | TV HD | DE                 | de                 | x   | x     | ?    | 10.4    |                         |          |
| NDR FS NDS HD        | 239.192.0.210 | 3791       | 9047 | TV HD | DE                 | de                 | x   | x     | ?    | 10.4    |                         |          |
| MDR Sachsen HD       | 239.192.0.209 | 3791       | 9264 | TV HD | DE                 | de                 | x   | x     | ?    | 10.4    | German DE reg 2         | 8        |
| BR Fernsehen Süd HD  | 239.192.0.206 | 3791       | 9044 | TV HD | DE                 | de                 | x   | x     | ?    | 10.5    |                         |          |
| SWR BW HD            | 239.192.0.207 | 3791       | 9045 | TV HD | DE                 | de                 | x   | x     | ?    | 10.4    |                         |          |
| zdf_neo              | 239.192.0.52  | 3791       | 74   | TV SD | DE                 | de                 | x   | x     | x    | 6.4     | German SD educational   | 9        |
| ARD-alpha            | 239.192.0.55  | 3791       | 67   | TV SD | DE                 | de                 | x   | x     | x    | 4.8     |                         |          |
| N24 DE               | 239.192.0.29  | 3791       | 64   | TV SD | DE                 | de                 | x   | x     |      | 8.5     |                         |          |
| HSE24                | 239.192.0.25  | 3791       | 77   | TV SD | DE                 | de                 | x   | x     |      | 3.2     |                         |          |
| PHOENIX              | 239.192.0.56  | 3791       | 68   | TV SD | DE                 | de                 | x   | x     |      | 6.8     |                         |          |
| nickelodeon HD       | 239.192.0.211 | 3791       | 9073 | TV HD | DE                 | de                 | x   | x     | ?    | 9.6     | German Kids             | 10       |
| Eurosport 1          | 239.192.0.40  | 3791       | 41   | TV SD | DE                 | de                 | x   | x     |      | 3.8     |                         |          |
| SPORT1 HD            | 239.192.0.44  | 3791       | 9280 | TV HD | DE                 | de                 | x   | x     | ?    | 9.7     |                         |          |
| KiKA HD              | 239.192.0.213 | 3791       | 9015 | TV HD | CH                 | de                 | x   | x     | ?    | 10.5    |                         |          |
| MTV HD               | 239.192.0.212 | 3791       | 9072 | TV HD | CH                 | de                 | x   | x     | x    | 9.2     | German DE music         | 11       |
| Star TV HD           | 239.192.0.89  | 3791       | 9202 | TV HD | CH                 | de                 | x   | x     |      | 9.6     |                         |          |
| kabel eins           | 239.192.0.22  | 3791       | 14   | TV SD | DE                 | de                 | x   | x     |      | 2.8     |                         |          |
| gotv                 | 239.192.0.23  | 3791       | 34   | TV SD | AT                 | de                 | x   | x     |      | 3.4     | German DE music         | 12       |
| RTL                  | 239.192.0.17  | 3791       | 9    | TV SD | DE                 | de                 | x   | x     | x    | 4.6     |                         |          |
| RTL 2                | 239.192.0.18  | 3791       | 12   | TV SD | DE                 | de                 | x   | x     |      | 5.3     |                         |          |
| VOX                  | 239.192.0.19  | 3791       | 13   | TV SD | DE                 | de                 | x   | x     |      | 3.0     |                         |          |
| SAT.1                | 239.192.0.20  | 3791       | 10   | TV SD | DE                 | de                 | x   | x     | x    | 6.4     |                         |          |
| ProSieben            | 239.192.0.21  | 3791       | 11   | TV SD | DE                 | de                 | x   | x     | x    | 3.5     |                         |          |
| n-tv HD              | 239.192.0.54  | 3791       | 9410 | TV HD | DE                 | de                 | x   | x     | ?    | 5.2     | German news             | 13       |
| PHOENIX HD           | 239.192.0.57  | 3791       | 9412 | TV HD | DE                 | de                 | x   | x     | ?    | 12.6    |                         |          |
| zdf_neo HD           | 239.192.0.117 | 3791       | 9019 | TV HD | DE                 | de                 | x   | x     | ?    | 10.7    |                         |          |
| ONE HD               | 239.192.0.226 | 3791       | 9266 | TV HD | DE                 | de                 | x   | x     | x    | 12.1    | German DE privat 3      | 39       |
| rbt Berlin HD        | 239.192.0.118 | 3791       | 9260 | TV HD | DE                 | de                 | x   | x     | ?    | 10.3    |                         |          |
| DMAX HD              | 239.192.0.119 | 3791       | 9203 | TV HD | DE                 | de                 | x   | x     | ?    | 9.7     |                         |          |
| Tele Bärn HD         | 239.192.0.218 | 3791       | 9257 | TV HD | CH                 | de                 | x   | x     |      | 9.2     | German CH reg 1         | 15       |
| TeleBasel HD         | 239.192.0.219 | 3791       | 9259 | TV HD | CH                 | de                 | x   | x     |      | 9.4     |                         |          |
| Tele M1 HD           | 239.192.0.222 | 3791       | 9258 | TV HD | CH                 | de                 | x   | x     |      | 9.2     |                         |          |
| TV Südostschweiz HD  | 239.192.0.221 | 3791       | 9370 | TV HD | CH                 | de                 | x   | x     |      | 9.7     | German CH reg 2         | 16       |
| Tele Top HD          | 239.192.0.224 | 3791       | 9372 | TV HD | CH                 | de                 | x   | x     |      | 7.4     |                         |          |
| Channel 55           | 239.192.0.244 | 3791       | 9455 | TV HD | CH                 | de                 | x   | ?     | ?    | 10.0    |                         |          |
| TVO                  | 239.192.0.183 | 3791       | 27   | TV SD | CH                 | de                 | x   | x     |      | 5.4     |                         |          |
| TF 1 HD              | 239.192.0.191 | 3791       | 9012 | TV HD | FR                 | fr                 | x   | x     |      | 8.1     | French public           | 17       |
| RTS Un HD            | 239.192.0.84  | 3791       | 9040 | TV HD | CH                 | fr, +              | x   | x     | x    | 13.1    |                         |          |
| RTS Deux HD          | 239.192.0.85  | 3791       | 9041 | TV HD | CH                 | fr, +              | x   | x     | x    | 13.1    |                         |          |
| RTL 9 HD             | 239.192.0.227 | 3791       | 9158 | TV HD | LU                 | fr                 | x   | x     | ?    | 8.6     | French private 1        | 18       |
| M6 HD                | 239.192.0.193 | 3791       | 9014 | TV HD | CH                 | fr                 | x   | x     |      | 3.7     |                         |          |
| Canal Alpha HD       | 239.192.0.196 | 3791       | 9352 | TV HD | CH                 | fr                 | x   | x     |      | 7.4     |                         |          |
| TVM3                 | 239.192.0.162 | 3791       | 219  | TV SD | CH                 | fr                 | x   | x     |      | 5.3     |                         |          |
| Be Curious TV HD     | 239.192.0.37  | 3791       | 9298 | TV HD | CH                 | fr                 | x   | x     |      | 7.3     | French private 3        | 31       |
| France 2 HD          | 239.192.0.192 | 3791       | 9013 | TV HD | FR                 | fr                 | x   | x     | x    | 8.8     |                         |          |
| France 3 (Alsace) HD | 239.192.0.229 | 3791       | 9580 | TV HD | FR                 | fr                 | x   | x     | ?    | 5.8     |                         |          |

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Average bitrates: TV HD: 11.0 Mbps; TV SD: 4.5 Mbps; Radio: 0.4 Mbps

Note: + = supported languages on many TV services are time and content dependent. E.g.: movies are often in multiple languages.

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|--------------|---------------|------------|------|-------|--------------------|--------------------|-----|-------|------|---------|------------|----------|
|              |               |            |      |       |                    |                    |     | mpeg  | ac-3 |         |            |          |
| Rouge TV HD  | 239.192.0.197 | 3791       | 9358 | TV HD | CH                 | fr                 | x   | x     |      | 7.1     |            |          |
| la télé      | 239.192.0.131 | 3791       | 217  | TV SD | CH                 | fr                 | x   | x     |      | 5.1     |            |          |
| RTS Un       | 239.192.0.90  | 3791       | 581  | TV SD | CH                 | fr, +              | x   | x     |      | 2.5     |            |          |
| TF 1         | 239.192.0.93  | 3791       | 583  | TV SD | FR                 | fr                 | x   | x     |      | 4.6     |            |          |
| euronews F   | 239.192.0.243 | 3791       | 92   | TV SD | FR                 | fr                 | x   | x     |      | 4.2     |            |          |
| TeleBilingue | 239.192.0.182 | 3791       | 29   | TV SD | CH                 | de, fr             | x   | x     |      | 4.4     |            |          |
| RTL 9        | 239.192.0.160 | 3791       | 210  | TV SD | LU                 | fr                 | x   | x     |      | 4.8     |            |          |
| RTS Deux     | 239.192.0.91  | 3791       | 582  | TV SD | CH                 | fr, +              | x   | x     |      | 3.1     |            |          |
| France 2     | 239.192.0.94  | 3791       | 584  | TV SD | FR                 | fr                 | x   | x     |      | 5.7     |            |          |

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|--------------------|---------------|------------|------|-------|--------------------|--------------------|-----|-------|------|---------|---------------------|----------|
|                    |               |            |      |       |                    |                    |     | mpeg  | ac-3 |         |                     |          |
| TeleTicino         | 239.192.0.190 | 3791       | 510  | TV SD | CH                 | it                 | x   | x     |      | 4.5     | Italian SD          | 37       |
| Italia 1           | 239.192.0.125 | 3791       | 337  | TV SD | IT                 | it, en             | x   | x     |      | 3.6     |                     |          |
| Canale 5           | 239.192.0.124 | 3791       | 336  | TV SD | IT                 | it, en             | x   | x     |      | 3.6     |                     |          |
| euronews 1         | 239.192.0.243 | 3791       | 92   | TV SD | IT                 | it                 | x   | x     |      | 4.2     |                     |          |
| RSI LA 1           | 239.192.0.120 | 3791       | 331  | TV SD | CH                 | it, +              | x   | x     |      | 2.6     |                     |          |
| RSI LA 2           | 239.192.0.121 | 3791       | 332  | TV SD | CH                 | it, +              | x   | x     |      | 3.2     |                     |          |
| Rete 4             | 239.192.0.127 | 3791       | 338  | TV SD | IT                 | it                 | x   | x     |      | 5.3     |                     |          |
| NT1                | 239.192.0.100 | 3791       | 591  | TV SD | FR                 | fr                 | x   | x     |      | 5.5     | French SD private 2 | 19       |
| Gulli              | 239.192.0.101 | 3791       | 592  | TV SD | FR                 | fr                 | x   | x     |      | 5.7     |                     |          |
| TMC Monte Carlo    | 239.192.0.161 | 3791       | 211  | TV SD | MC                 | fr                 | x   | x     |      | 5.6     |                     |          |
| Rouge TV           | 239.192.0.195 | 3791       | 224  | TV SD | CH                 | fr                 | x   | x     |      | 5.3     |                     |          |
| France 3 (Alsace)  | 239.192.0.95  | 3791       | 585  | TV SD | FR                 | fr                 | x   | x     |      | 5.3     |                     |          |
| France 4           | 239.192.0.96  | 3791       | 586  | TV SD | FR                 | fr                 | x   | x     |      | 4.7     |                     |          |
| France 5           | 239.192.0.97  | 3791       | 587  | TV SD | FR                 | fr                 | x   | x     |      | 5.6     |                     |          |
| France 24          | 239.192.0.92  | 3791       | 590  | TV SD | FR                 | fr                 | x   | x     |      | 5.3     |                     |          |
| W9 HD              | 239.192.0.202 | 3791       | 9552 | TV HD | FR                 | fr                 | x   | x     | ?    | 8.9     | French Ent 1        | 40       |
| 2M MAROC           | 239.192.0.132 | 3791       | 703  | TV SD | MA                 | fr, ar             | x   | x     |      | 1.4     |                     |          |
| TMC Monte Carlo HD | 239.192.0.203 | 3791       | 9549 | TV HD | MCO                | fr                 | x   | x     | ?    | 5.9     |                     |          |
| 6ter               | 239.192.0.204 | 3791       | 9154 | TV HD | FR                 | fr, en             | x   | x     | ?    | 3.8     |                     |          |
| CANAL+ en clair HD | 239.192.0.233 | 3791       | 9502 | TV HD | CH                 | fr                 | x   | x     | ?    | 5.4     | French Ent 2        | 41       |
| NRJ 12 HD          | 239.192.0.230 | 3791       | 9572 | TV HD | FR                 | fr                 | x   | x     | ?    | 8.8     |                     |          |
| Numéro 23          | 239.192.0.231 | 3791       | 9155 | TV HD | FR                 | fr                 | x   | x     | ?    | 8.8     |                     |          |
| ARTE F HD          | 239.192.0.232 | 3791       | 9011 | TV HD | FR                 | fr                 | x   | x     | ?    | 9.1     | French Education    | 42       |
| TVSMONDE           | 239.192.0.99  | 3791       | 589  | TV SD | FR                 | fr                 | x   | x     |      | 3.6     |                     |          |
| France 24 E        | 239.192.0.103 | 3791       | 3503 | TV SD | FR                 | en                 | x   | x     |      | 2.1     |                     |          |
| BFM TV HD          | 239.192.0.234 | 3791       | 9356 | TV HD | FR                 | fr                 | x   | x     | ?    | 4.4     |                     |          |
| LFM TV             | 239.192.0.237 | 3791       | 9554 | TV HD | CH                 | fr                 | x   | x     | ?    | 7.4     | French Ent 3        | 44       |
| One TV             | 239.192.0.238 | 3791       | 9556 | TV HD | CH                 | fr                 | x   | x     | ?    | 7.4     |                     |          |
| Canal Alpha JU HD  | 239.192.0.239 | 3791       | 9353 | TV HD | CH                 | fr                 | x   | x     | ?    | 7.3     |                     |          |
| Channel 4 HD       | 239.192.0.116 | 3791       | 9211 | TV HD | GB                 | en                 | x   | x     | ?    | 9.9     | Intl. World 2       | 43       |
| Al Jazeera         | 239.192.0.113 | 3791       | 706  | TV SD | QA                 | ar, en             | x   | x     |      | 4.0     |                     |          |
| Film 4             | 239.192.0.79  | 3791       | 300  | TV SD | GB                 | en                 | x   | x     |      | 5.2     |                     |          |
| TeleBleingue HD    | 239.192.0.61  | 3791       | 9376 | TV HD | CH                 | fr                 | x   | x     | ?    | 4.4     | French private 4    | 20       |
| CANAL8 HD          | 239.192.0.53  | 3791       | 9531 | TV HD | FR                 | fr                 | x   | x     | ?    | 8.9     |                     |          |
| Tele Versoix       | 239.192.0.59  | 3791       | 3401 | TV SD | FR                 | fr                 | x   | x     | ?    | 6.0     |                     |          |
| la télé HD         | 239.192.0.228 | 3791       | 9354 | TV HD | CH                 | fr                 | x   | x     | ?    | 7.3     |                     |          |
| RSI LA 1 HD        | 239.192.0.86  | 3791       | 9042 | TV HD | CH                 | it, +              | x   | x     | x    | 13.1    | Italian CH          | 21       |
| Rai 1 HD           | 239.192.0.236 | 3791       | 9101 | TV HD | IT                 | it                 | x   | x     | ?    | 7.3     |                     |          |
| RSI LA 2 HD        | 239.192.0.87  | 3791       | 9043 | TV HD | CH                 | it, +              | x   | x     | x    | 13.1    |                     |          |
| TeleTicino HD      | 239.192.0.225 | 3791       | 9110 | TV HD | CH                 | it                 | x   | x     | ?    | 7.4     |                     |          |
| Italia 1 HD        | 239.192.0.216 | 3791       | 9243 | TV HD | IT                 | it, en             | x   | x     | ?    | 9.4     | Italian 1           | 22       |
| La 7 HD            | 239.192.0.235 | 3791       | 9102 | TV HD | IT                 | it                 | x   | x     | ?    | 7.2     |                     |          |
| Canale 5 HD        | 239.192.0.215 | 3791       | 9241 | TV HD | IT                 | it, en             | x   | x     | ?    | 9.4     |                     |          |
| Rete 4 HD          | 239.192.0.217 | 3791       | 9242 | TV HD | IT                 | it                 | x   | x     | ?    | 9.4     |                     |          |
| La 7               | 239.192.0.24  | 3791       | 339  | TV SD | IT                 | it                 | x   | x     |      | 5.8     | Italian SD 1        | 23       |
| Rai 1              | 239.192.0.122 | 3791       | 333  | TV SD | IT                 | it                 | x   | x     |      | 7.2     |                     |          |
| Rai 2              | 239.192.0.123 | 3791       | 334  | TV SD | IT                 | it                 | x   | x     |      | 4.5     |                     |          |
| Rai 3              | 239.192.0.126 | 3791       | 335  | TV SD | IT                 | it                 | x   | x     |      | 4.9     |                     |          |
| Rai 4              | 239.192.0.16  | 3791       | 519  | TV SD | IT                 | it                 | x   | x     |      | 3.2     |                     |          |
| BBC One            | 239.192.0.71  | 3791       | 166  | TV SD | GB                 | en                 | x   | x     |      | 2.5     | UK 1                | 24       |
| ITV                | 239.192.0.74  | 3791       | 301  | TV SD | GB                 | en                 | x   | x     |      | 2.0     |                     |          |
| ITV 2              | 239.192.0.75  | 3791       | 302  | TV SD | GB                 | en                 | x   | x     |      | 5.6     |                     |          |
| BBC Two            | 239.192.0.72  | 3791       | 167  | TV SD | GB                 | en                 | x   | x     |      | 5.4     |                     |          |
| Channel 4          | 239.192.0.81  | 3791       | 181  | TV SD | UK                 | en                 | x   | x     |      | 2.4     |                     |          |
| Fashion TV         | 239.192.0.80  | 3791       | 308  | TV SD | VG                 | en                 | x   | x     |      | 1.6     | UK 2                | 25       |
| BBC One HD         | 239.192.0.98  | 3791       | 9091 | TV HD | GB                 | en                 | x   | x     | ?    | 2.8     |                     |          |
| BBC Two HD         | 239.192.0.62  | 3791       | 9003 | TV HD | GB                 | en                 | x   | x     | ?    | 5.1     |                     |          |
| ITV HD             | 239.192.0.115 | 3791       | 9212 | TV HD | GB                 | en                 | x   | x     | ?    | 9.6     |                     |          |
| TVE Int.           | 239.192.0.140 | 3791       | 641  | TV SD | ES                 | es                 | x   | x     |      | 3.5     | Intl. Europe        | 26       |
| RTP Int.           | 239.192.0.142 | 3791       | 631  | TV SD | PT                 | pt                 | x   | x     |      | 4.5     |                     |          |
| TRT-TÜRK           | 239.192.0.143 | 3791       | 611  | TV SD | TR                 | tr                 | x   | x     |      | 3.3     |                     |          |
| BVN TV             | 239.192.0.156 | 3791       | 688  | TV SD | NL                 | nl                 | x   | x     |      | 4.1     |                     |          |
| Canal 24 Horas     | 239.192.0.141 | 3791       | 640  | TV SD | ES                 | es                 | x   | x     |      | 3.6     |                     |          |
| TV Polonia         | 239.192.0.147 | 3791       | 686  | TV SD | PL                 | pl                 | x   | x     |      | 3.8     |                     |          |
| Duna TV            | 239.192.0.146 | 3791       | 687  | TV SD | HU                 | hu                 | x   | x     |      | 5.5     |                     |          |
| EuroStar           | 239.192.0.144 | 3791       | 617  | TV SD | TC                 | tr                 | x   | x     |      | 4.1     |                     |          |
| TVRi               | 239.192.0.152 | 3791       | 679  | TV SD | RO                 | ro                 | x   | x     |      | 3.5     |                     |          |
| n-tv               | 239.192.0.28  | 3791       | 65   | TV SD | DE                 | de                 | x   | x     |      | 6.1     | Intl. News          | 27       |
| CNN Int.           | 239.192.0.76  | 3791       | 160  | TV SD | US                 | en                 | x   | x     |      | 4.0     |                     |          |
| euronews           | 239.192.0.241 | 3791       | 91   | TV SD | DE                 | de                 | x   | x     |      | 4.2     |                     |          |
| CNBC               | 239.192.0.77  | 3791       | 162  | TV SD | US                 | en                 | x   | x     |      | 3.5     |                     |          |
| CCTV 4             | 239.192.0.34  | 3791       | 695  | TV SD | CN                 | en, zh             | x   | x     |      | 3.1     |                     |          |
| Al Jazeera English | 239.192.0.78  | 3791       | 163  | TV SD | QA                 | en                 | x   | x     |      | 3.8     |                     |          |
| BBC World News     | 239.192.0.73  | 3791       | 164  | TV SD | GB                 | en                 | x   | x     |      | 3.9     |                     |          |
| TTN                | 239.192.0.134 | 3791       | 705  | TV SD | LK                 | ta                 | x   | x     |      | 3.1     |                     |          |
| Bloomberg TV       | 239.192.0.31  | 3791       | 161  | TV SD | UK                 | en                 | x   | x     |      | 3.8     |                     |          |
| LBC Europe         | 239.192.0.137 | 3791       | 4911 | TV SD | LB                 | ar                 | x   | x     |      | 1.8     |                     |          |
| RTR Planeta        | 239.192.0.157 | 3791       | 689  | TV SD | RU                 | ru                 | x   | x     |      | 3.1     | Intl. World         | 28       |
| Russia Today       | 239.192.0.36  | 3791       | 159  | TV SD | RU                 | en, ar, ru, es     | x   | x     |      | 4.0     |                     |          |
| TGN Thai Global    | 239.192.0.32  | 3791       | 696  | TV SD | TH                 | th                 | x   | x     |      | 3.2     |                     |          |
| Kurdsat TV         | 239.192.0.150 | 3791       | 683  | TV SD | IQ                 | ku                 | x   | x     |      | 5.4     |                     |          |
| BN                 | 239.192.0.155 | 3791       | 682  | TV SD | BA                 | bs                 | x   | x     |      | 3.4     |                     |          |
| TV CG              | 239.192.0.149 | 3791       | 662  | TV SD | ME                 | sr                 | x   | x     |      | 3.3     |                     |          |
| Al Masriyah        | 239.192.0.133 | 3791       | 704  | TV SD | EG                 | ar                 | x   | x     |      | 4.0     |                     |          |
| RTK 1              | 239.192.0.153 | 3791       | 671  | TV SD | XK                 | sq                 | x   | x     |      | 3.5     |                     |          |
| TVSH               | 239.192.0.151 | 3791       | 672  | TV SD | AL                 | sq                 | x   | x     |      | 4.0     |                     |          |
| Sama Dubai         | 239.192.0.110 | 3791       | 3511 | TV SD | AE                 | ar                 | x   | x     |      | 5.1     |                     |          |
| MBC                | 239.192.0.138 | 3791       | 4912 | TV SD | AE                 | ar                 | x   | x     |      | 4.5     | Intl. Arab          | 29       |
| al-Arabiya         | 239.192.0.111 | 3791       | 3512 | TV SD | AE                 | ar                 | x   | x     |      | 2.9     |                     |          |
| Saudi 1            | 239.192.0.107 | 3791       | 3507 | TV SD | SA                 | ar                 | x   | x     |      | 3.3     |                     |          |
| Dubai Sport        | 239.192.0.136 | 3791       | 4909 | TV SD | AE                 | ar                 | x   | x     |      | 5.2     |                     |          |
| Jordan TV          | 239.192.0.102 | 3791       | 3502 | TV SD | JO                 | ar                 | x   | x     |      | 3.3     |                     |          |
| Kuwait TV          | 239.192.0.104 | 3791       | 3504 | TV SD | KW                 | ar                 | x   | x     |      | 5.3     |                     |          |
| Oman TV            | 239.192.0.105 | 3791       | 3505 | TV SD | OM                 | ar                 | x   | x     |      | 3.2     |                     |          |
| Qatar TV           | 239.192.0.106 | 3791       | 3506 | TV SD | QA                 | ar                 | x   | x     |      | 3.5     |                     |          |
| Saudi 2            | 239.192.0.108 | 3791       | 3508 | TV SD | SA                 | ar                 | x   | x     |      | 2.8     |                     |          |
| Sharjah TV         | 239.192.0.109 | 3791       | 3510 | TV SD | AE                 | ar                 | x   | x     |      | 2.7     |                     |          |
| Dubai TV           | 239.192.0.112 | 3791       | 3513 | TV SD | AE                 | ar                 | x   | x     |      | 3.6     |                     |          |
| Abu Dhabi TV       | 239.192.0.114 | 3791       | 3514 | TV SD | AE                 | ar                 | x   | x     |      | 2.6     |                     |          |
| Al Sharqiya        | 239.192.0.135 | 3791       | 4905 | TV SD | IQ                 | ar                 | x   | x     |      | 4.3     |                     |          |

# TV over IP Ch List & IP Adresses



Valid from **06.07.2017** (Subject to change)

Total 323 Services. 79 TV HD + 131 TV SD = Total 210 TV Services Radio: 113 Services

Note: bitrate is dependent on program content, and can vary.

Average bitrates: TV HD: 11.0 Mbps; TV SD: 4.5 Mbps; Radio: 0.4 Mbps

Note: += supported languages on many TV services are time and content dependent. E.g.: movies are often in multiple languages.

| TV Channel           | IP Address    | Mcast Port | SID  | Type  | Country ISO 3166-1 | Language ISO 639-1 | EPG | Audio |      | BW Mb/s | Group Name | Set TSID |
|----------------------|---------------|------------|------|-------|--------------------|--------------------|-----|-------|------|---------|------------|----------|
|                      |               |            |      |       |                    |                    |     | mpeg  | ac-3 |         |            |          |
| Radio SRF 1          | 239.192.1.1   | 3791       | 1301 | Radio | CH                 | de                 |     | x     |      | 0.3     | Radio      | 30       |
| Radio SRF 2 Kultur   | 239.192.1.2   | 3791       | 1302 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF 3          | 239.192.1.3   | 3791       | 1303 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF 4 News     | 239.192.1.4   | 3791       | 1304 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF Musikwelle | 239.192.1.5   | 3791       | 1305 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF Virus      | 239.192.1.6   | 3791       | 1306 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Swiss Pop            | 239.192.1.7   | 3791       | 1307 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Swiss Classic        | 239.192.1.8   | 3791       | 1308 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Swiss Jazz           | 239.192.1.9   | 3791       | 1309 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio Rumantsch      | 239.192.1.10  | 3791       | 1310 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Planet 105           | 239.192.1.11  | 3791       | 1420 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio 1              | 239.192.1.12  | 3791       | 1421 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Bayern 1             | 239.192.1.13  | 3791       | 1440 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| Bayern 2             | 239.192.1.14  | 3791       | 1441 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| BAYERN 3             | 239.192.1.15  | 3791       | 1442 | Radio | DE                 | de                 |     | x     |      | 0.3     |            |          |
| BR-KLASSIK           | 239.192.1.16  | 3791       | 1443 | Radio | DE                 | de                 |     | x     |      | 0.8     |            |          |
| SWR1 BW              | 239.192.1.17  | 3791       | 1450 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| SWR2                 | 239.192.1.18  | 3791       | 1451 | Radio | DE                 | de                 |     | x     |      | 0.8     |            |          |
| SWR3                 | 239.192.1.19  | 3791       | 1452 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| SWR4 BW              | 239.192.1.20  | 3791       | 1453 | Radio | DE                 | de                 |     | x     |      | 0.3     |            |          |
| DASDING              | 239.192.1.21  | 3791       | 1454 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| 1 Live               | 239.192.1.22  | 3791       | 1460 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| WDR 2                | 239.192.1.23  | 3791       | 1461 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| WDR 3                | 239.192.1.24  | 3791       | 1462 | Radio | DE                 | de                 |     | x     |      | 0.8     |            |          |
| WDR 4                | 239.192.1.25  | 3791       | 1463 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| WDR 5                | 239.192.1.26  | 3791       | 1464 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| Fritz                | 239.192.1.27  | 3791       | 1470 | Radio | DE                 | de                 |     | x     |      | 0.3     |            |          |
| Sputnik              | 239.192.1.28  | 3791       | 1471 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| radioeins            | 239.192.1.29  | 3791       | 1472 | Radio | DE                 | de                 |     | x     |      | 0.4     |            |          |
| MDR Kultur           | 239.192.1.30  | 3791       | 1473 | Radio | DE                 | de                 |     | x     |      | 0.8     |            |          |
| Deutschlandfunk      | 239.192.1.31  | 3791       | 1480 | Radio | DE                 | de                 |     | x     |      | 0.3     |            |          |
| D-Radio Kultur       | 239.192.1.32  | 3791       | 1481 | Radio | DE                 | de                 |     | x     |      | 0.3     |            |          |
| RTL RADIO            | 239.192.1.33  | 3791       | 1483 | Radio | DE                 | de                 |     | x     |      | 0.3     |            |          |
| Radio 7              | 239.192.1.34  | 3791       | 1484 | Radio | DE                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Gloria         | 239.192.1.35  | 3791       | 1485 | Radio | DE                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Horeb          | 239.192.1.36  | 3791       | 1486 | Radio | DE                 | de                 |     | x     |      | 0.2     |            |          |
| ERF Plus             | 239.192.1.37  | 3791       | 1487 | Radio | DE                 | de                 |     | x     |      | 0.2     |            |          |
| Oe 1                 | 239.192.1.38  | 3791       | 1490 | Radio | AT                 | de                 |     | x     |      | 0.3     |            |          |
| Oe 3 Hitradio        | 239.192.1.39  | 3791       | 1491 | Radio | AT                 | de                 |     | x     |      | 0.2     |            |          |
| FM 4                 | 239.192.1.40  | 3791       | 1492 | Radio | AT                 | de                 |     | x     |      | 0.2     |            |          |
| Radio SRF 1 BE       | 239.192.1.41  | 3791       | 1322 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio Bern1          | 239.192.1.42  | 3791       | 1853 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Energy Bern          | 239.192.1.43  | 3791       | 1412 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio RaBe           | 239.192.1.44  | 3791       | 1397 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio BeO            | 239.192.1.45  | 3791       | 1384 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Freiburg       | 239.192.1.46  | 3791       | 1761 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Eviva          | 239.192.1.47  | 3791       | 1353 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| BBC World Service    | 239.192.1.52  | 3791       | 1562 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| BBC Radio 1          | 239.192.1.53  | 3791       | 1552 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| BBC Radio 2          | 239.192.1.54  | 3791       | 1553 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| BBC Radio 3          | 239.192.1.55  | 3791       | 1554 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| BBC Radio 4 FM       | 239.192.1.56  | 3791       | 1555 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| BBC 1Xtra            | 239.192.1.57  | 3791       | 1556 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| BBC 6 Music          | 239.192.1.58  | 3791       | 1557 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| BBC Asian Network    | 239.192.1.59  | 3791       | 1558 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| Kiss FM              | 239.192.1.60  | 3791       | 1560 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| 95.8 Capital FM      | 239.192.1.61  | 3791       | 1563 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| XFM UK               | 239.192.1.64  | 3791       | 1564 | Radio | GB                 | en                 |     | x     |      | 0.2     |            |          |
| NPR Worldwide        | 239.192.1.65  | 3791       | 1570 | Radio | US                 | en                 |     | x     |      | 0.2     |            |          |
| Voice of America     | 239.192.1.66  | 3791       | 1571 | Radio | US                 | en                 |     | x     |      | 0.2     |            |          |
| WRN                  | 239.192.1.67  | 3791       | 1572 | Radio | US                 | en                 |     | x     |      | 0.1     |            |          |
| Radio Central        | 239.192.1.70  | 3791       | 1354 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Pilatus        | 239.192.1.71  | 3791       | 1355 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Sunshine       | 239.192.1.72  | 3791       | 1356 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Argovia        | 239.192.1.73  | 3791       | 1373 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio 32             | 239.192.1.74  | 3791       | 1374 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Zürsee         | 239.192.1.75  | 3791       | 1370 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio 24             | 239.192.1.76  | 3791       | 1350 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio LoRa           | 239.192.1.77  | 3791       | 1371 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Energy Zürich        | 239.192.1.78  | 3791       | 1413 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| RSI Rete Uno         | 239.192.1.81  | 3791       | 1600 | Radio | CH                 | it                 |     | x     |      | 0.3     |            |          |
| RSI Rete Due         | 239.192.1.82  | 3791       | 1601 | Radio | CH                 | it                 |     | x     |      | 0.3     |            |          |
| RSI Rete Tre         | 239.192.1.83  | 3791       | 1602 | Radio | CH                 | it                 |     | x     |      | 0.3     |            |          |
| Rai Radio 1          | 239.192.1.84  | 3791       | 1603 | Radio | IT                 | it                 |     | x     |      | 0.2     |            |          |
| Rai Radio 2          | 239.192.1.85  | 3791       | 1604 | Radio | IT                 | it                 |     | x     |      | 0.2     |            |          |
| Rai Radio 4 Light    | 239.192.1.86  | 3791       | 1606 | Radio | IT                 | it                 |     | x     |      | 0.2     |            |          |
| Rai Radio 5 Classica | 239.192.1.87  | 3791       | 1607 | Radio | IT                 | it                 |     | x     |      | 0.2     |            |          |
| Radio 105 I          | 239.192.1.88  | 3791       | 1610 | Radio | IT                 | it                 |     | x     |      | 0.2     |            |          |
| RDS                  | 239.192.1.89  | 3791       | 1620 | Radio | IT                 | it                 |     | x     |      | 0.4     |            |          |
| Radio 24 ore         | 239.192.1.91  | 3791       | 1613 | Radio | IT                 | it                 |     | x     |      | 0.2     |            |          |
| RTS la 1 ère         | 239.192.1.101 | 3791       | 1700 | Radio | CH                 | fr                 |     | x     |      | 0.3     |            |          |
| RTS Espace 2         | 239.192.1.102 | 3791       | 1701 | Radio | CH                 | fr                 |     | x     |      | 0.3     |            |          |
| RTS Couleur 3        | 239.192.1.103 | 3791       | 1702 | Radio | CH                 | fr                 |     | x     |      | 0.3     |            |          |
| RTS Option Musique   | 239.192.1.104 | 3791       | 1703 | Radio | CH                 | fr                 |     | x     |      | 0.3     |            |          |
| FRANCE INTER         | 239.192.1.105 | 3791       | 1710 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| FRANCE INFO          | 239.192.1.106 | 3791       | 1711 | Radio | FR                 | fr                 |     | x     |      | 0.1     |            |          |
| FRANCE BLEU          | 239.192.1.108 | 3791       | 1712 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| FRANCE CULTURE       | 239.192.1.109 | 3791       | 1713 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| FRANCE MUSIQUE       | 239.192.1.110 | 3791       | 1715 | Radio | FR                 | fr                 |     | x     |      | 0.4     |            |          |
| LE MOUV              | 239.192.1.111 | 3791       | 1720 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| EUROPE 1             | 239.192.1.112 | 3791       | 1721 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| Radio NRJ F          | 239.192.1.115 | 3791       | 1724 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| Radio Monte Carlo F  | 239.192.1.116 | 3791       | 1725 | Radio | FR                 | fr                 |     | x     |      | 0.2     |            |          |
| Radio Nostalgie      | 239.192.1.117 | 3791       | 1726 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| Chérie FM            | 239.192.1.118 | 3791       | 1727 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| RFM                  | 239.192.1.119 | 3791       | 1728 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| Virgin Radio F       | 239.192.1.120 | 3791       | 1729 | Radio | FR                 | fr                 |     | x     |      | 0.2     |            |          |
| Sky Rock             | 239.192.1.121 | 3791       | 1730 | Radio | FR                 | fr                 |     | x     |      | 0.3     |            |          |
| Andalucia            | 239.192.1.142 | 3791       | 1801 | Radio | ES                 | es                 |     | x     |      | 0.2     |            |          |
| RDP Int.             | 239.192.1.143 | 3791       | 1802 | Radio | PT                 | pt                 |     | x     |      | 0.2     |            |          |
| Radio Südostschweiz  | 239.192.1.79  | 3791       | 1378 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Polskie Radio 1      | 239.192.1.146 | 3791       | 1805 | Radio | PL                 | pl                 |     | x     |      | 0.2     |            |          |
| Sky Radio NL         | 239.192.1.147 | 3791       | 1806 | Radio | NL                 | nl                 |     | x     |      | 0.2     |            |          |

## TV over IP Ch List & IP Adresses



Valid from **06.07.2017** (Subject to change)

Total 323 Services. 79 TV HD + 131 TV SD = Total 210 TV Services Radio: 113 Services

Note: bitrate is dependent on program content, and can vary.

Average bitrates: TV HD: 11.0 Mbps; TV SD: 4.5 Mbps; Radio: 0.4 Mbps

Note: += supported languages on many TV services are time and content dependent. E.g.: movies are often in multiple languages.

| TV Channel     | IP Address    | Mcast Port | SID  | Type  | Country ISO 3166-1 | Language ISO 639-1 | EPG | Audio |      | BW Mb/s | Group Name | Set TSID |
|----------------|---------------|------------|------|-------|--------------------|--------------------|-----|-------|------|---------|------------|----------|
|                |               |            |      |       |                    |                    |     | mpeg  | ac-3 |         |            |          |
| Radio Basilisk | 239.192.1.48  | 3791       | 1306 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio Top      | 239.192.1.50  | 3791       | 1360 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| FM1            | 239.192.1.51  | 3791       | 1365 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Energy Basel   | 239.192.1.49  | 3791       | 1411 | Radio | CH                 | de                 |     | x     |      | 0.2     |            |          |
| Radio SRF 1 AG | 239.192.1.131 | 3791       | 1321 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF 1 BS | 239.192.1.133 | 3791       | 1323 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF 1 GR | 239.192.1.134 | 3791       | 1324 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF 1 LU | 239.192.1.135 | 3791       | 1325 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF 1 SG | 239.192.1.136 | 3791       | 1326 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |
| Radio SRF 1 ZH | 239.192.1.137 | 3791       | 1327 | Radio | CH                 | de                 |     | x     |      | 0.3     |            |          |