Properties used on terrestrial delivery systems

DVB-T delivery system

The following parameters are valid for DVB-T:

- :ref:`DTV_API_VERSION <DTV-API-VERSION>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 17);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_DELIVERY_SYSTEM <DTV-DELIVERY-SYSTEM>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 19);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_TUNE <DTV-TUNE>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 21);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_CLEAR <DTV-CLEAR>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 23);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_FREQUENCY <DTV-FREQUENCY>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 25);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_MODULATION <DTV-MODULATION>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 27);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_BANDWIDTH_HZ <DTV-BANDWIDTH-HZ>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master]`

> [Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, **line 29);** *backlink*
>
> Unknown interpreted text role "ref".

- :ref:`DTV_INVERSION <DTV-INVERSION>`

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 31);** *backlink*
>
> Unknown interpreted text role "ref".

- :ref:`DTV_CODE_RATE_HP <DTV-CODE-RATE-HP>`

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 33);** *backlink*
>
> Unknown interpreted text role "ref".

- :ref:`DTV_CODE_RATE_LP <DTV-CODE-RATE-LP>`

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 35);** *backlink*
>
> Unknown interpreted text role "ref".

- :ref:`DTV_GUARD_INTERVAL <DTV-GUARD-INTERVAL>`

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 37);** *backlink*
>
> Unknown interpreted text role "ref".

- :ref:`DTV_TRANSMISSION_MODE <DTV-TRANSMISSION-MODE>`

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 39);** *backlink*
>
> Unknown interpreted text role "ref".

- :ref:`DTV_HIERARCHY <DTV-HIERARCHY>`

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 41);** *backlink*
>
> Unknown interpreted text role "ref".

- :ref:`DTV_LNA <DTV-LNA>`

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 43);** *backlink*

Unknown interpreted text role "ref".

In addition, the :ref:`DTV QoS statistics <frontend-stat-properties>` are also valid.

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 45);** *backlink*
>
> Unknown interpreted text role "ref".

DVB-T2 delivery system

DVB-T2 support is currently in the early stages of development, so expect that this section may grow and become more detailed with time.

The following parameters are valid for DVB-T2:

- :ref:`DTV_API_VERSION <DTV-API-VERSION>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 59);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_DELIVERY_SYSTEM <DTV-DELIVERY-SYSTEM>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 61);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_TUNE <DTV-TUNE>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 63);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_CLEAR <DTV-CLEAR>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 65);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_FREQUENCY <DTV-FREQUENCY>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 67);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_MODULATION <DTV-MODULATION>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master]`

[Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, **line 69);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_BANDWIDTH_HZ <DTV-BANDWIDTH-HZ>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst,` **line 71);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_INVERSION <DTV-INVERSION>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst,` **line 73);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_CODE_RATE_HP <DTV-CODE-RATE-HP>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst,` **line 75);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_CODE_RATE_LP <DTV-CODE-RATE-LP>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst,` **line 77);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_GUARD_INTERVAL <DTV-GUARD-INTERVAL>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst,` **line 79);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_TRANSMISSION_MODE <DTV-TRANSMISSION-MODE>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst,` **line 81);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_HIERARCHY <DTV-HIERARCHY>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst,` **line 83);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_STREAM_ID <DTV-STREAM-ID>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 85); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_LNA <DTV-LNA>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 87); *backlink*

  Unknown interpreted text role "ref".

In addition, the :ref:`DTV QoS statistics <frontend-stat-properties>` are also valid.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 89); *backlink*

Unknown interpreted text role "ref".

ISDB-T delivery system

This ISDB-T/ISDB-Tsb API extension should reflect all information needed to tune any ISDB-T/ISDB-Tsb hardware. Of course it is possible that some very sophisticated devices won't need certain parameters to tune.

The information given here should help application writers to know how to handle ISDB-T and ISDB-Tsb hardware using the Linux Digital TV API.

The details given here about ISDB-T and ISDB-Tsb are just enough to basically show the dependencies between the needed parameter values, but surely some information is left out. For more detailed information see the following documents:

ARIB STD-B31 - "Transmission System for Digital Terrestrial Television Broadcasting" and

ARIB TR-B14 - "Operational Guidelines for Digital Terrestrial Television Broadcasting".

In order to understand the ISDB specific parameters, one has to have some knowledge the channel structure in ISDB-T and ISDB-Tsb. I.e. it has to be known to the reader that an ISDB-T channel consists of 13 segments, that it can have up to 3 layer sharing those segments, and things like that.

The following parameters are valid for ISDB-T:

- :ref:`DTV_API_VERSION <DTV-API-VERSION>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 124); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_DELIVERY_SYSTEM <DTV-DELIVERY-SYSTEM>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 126); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_TUNE <DTV-TUNE>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, line 128`); *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_CLEAR <DTV-CLEAR>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, line 130`); *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_FREQUENCY <DTV-FREQUENCY>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, line 132`); *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_BANDWIDTH_HZ <DTV-BANDWIDTH-HZ>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, line 134`); *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_INVERSION <DTV-INVERSION>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, line 136`); *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_GUARD_INTERVAL <DTV-GUARD-INTERVAL>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, line 138`); *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_TRANSMISSION_MODE <DTV-TRANSMISSION-MODE>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, line 140`); *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYER_ENABLED <DTV-ISDBT-LAYER-ENABLED>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master]`

[Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, **line 142); *backlink***

Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_PARTIAL_RECEPTION <DTV-ISDBT-PARTIAL-RECEPTION>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 144); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_SOUND_BROADCASTING <DTV-ISDBT-SOUND-BROADCASTING>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 146); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_SB_SUBCHANNEL_ID <DTV-ISDBT-SB-SUBCHANNEL-ID>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 148); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_SB_SEGMENT_IDX <DTV-ISDBT-SB-SEGMENT-IDX>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 150); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_SB_SEGMENT_COUNT <DTV-ISDBT-SB-SEGMENT-COUNT>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 152); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERA_FEC <DTV-ISDBT-LAYER-FEC>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 154); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERA_MODULATION <DTV-ISDBT-LAYER-MODULATION>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 156); *backlink*

- :ref:`DTV_ISDBT_LAYERA_SEGMENT_COUNT <DTV-ISDBT-LAYER-SEGMENT-COUNT>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 158); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERA_TIME_INTERLEAVING <DTV-ISDBT-LAYER-TIME-INTERLEAVING>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 160); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERB_FEC <DTV-ISDBT-LAYER-FEC>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 162); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERB_MODULATION <DTV-ISDBT-LAYER-MODULATION>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 164); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERB_SEGMENT_COUNT <DTV-ISDBT-LAYER-SEGMENT-COUNT>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 166); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERB_TIME_INTERLEAVING <DTV-ISDBT-LAYER-TIME-INTERLEAVING>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 168); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERC_FEC <DTV-ISDBT-LAYER-FEC>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 170); *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERC_MODULATION <DTV-ISDBT-LAYER-MODULATION>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 172);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERC_SEGMENT_COUNT <DTV-ISDBT-LAYER-SEGMENT-COUNT>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 174);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_ISDBT_LAYERC_TIME_INTERLEAVING <DTV-ISDBT-LAYER-TIME-INTERLEAVING>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 176);** *backlink*
  >
  > Unknown interpreted text role "ref".

In addition, the :ref:`DTV QoS statistics <frontend-stat-properties>` are also valid.

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 178);** *backlink*
>
> Unknown interpreted text role "ref".

ATSC delivery system

The following parameters are valid for ATSC:

- :ref:`DTV_API_VERSION <DTV-API-VERSION>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 189);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_DELIVERY_SYSTEM <DTV-DELIVERY-SYSTEM>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 191);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_TUNE <DTV-TUNE>`

  > **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 193);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_CLEAR <DTV-CLEAR>`

  > **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 195);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_FREQUENCY <DTV-FREQUENCY>`

  > **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 197);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_MODULATION <DTV-MODULATION>`

  > **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 199);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_BANDWIDTH_HZ <DTV-BANDWIDTH-HZ>`

  > **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 201);** *backlink*
  >
  > Unknown interpreted text role "ref".

In addition, the :ref:`DTV QoS statistics <frontend-stat-properties>` are also valid.

> **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 203);** *backlink*
>
> Unknown interpreted text role "ref".

ATSC-MH delivery system

The following parameters are valid for ATSC-MH:

- :ref:`DTV_API_VERSION <DTV-API-VERSION>`

  > **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 214);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_DELIVERY_SYSTEM <DTV-DELIVERY-SYSTEM>`

  > **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, line 216);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_TUNE <DTV-TUNE>`

  > **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 218);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_CLEAR <DTV-CLEAR>`

  > **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 220);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_FREQUENCY <DTV-FREQUENCY>`

  > **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 222);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_BANDWIDTH_HZ <DTV-BANDWIDTH-HZ>`

  > **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 224);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_FIC_VER <DTV-ATSCMH-FIC-VER>`

  > **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 226);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_PARADE_ID <DTV-ATSCMH-PARADE-ID>`

  > **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 228);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_NOG <DTV-ATSCMH-NOG>`

  > **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 230);** *backlink*
  >
  > Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_TNOG <DTV-ATSCMH-TNOG>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 232);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_SGN <DTV-ATSCMH-SGN>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 234);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_PRC <DTV-ATSCMH-PRC>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 236);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_RS_FRAME_MODE <DTV-ATSCMH-RS-FRAME-MODE>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 238);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_RS_FRAME_ENSEMBLE <DTV-ATSCMH-RS-FRAME-ENSEMBLE>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 240);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_RS_CODE_MODE_PRI <DTV-ATSCMH-RS-CODE-MODE-PRI>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 242);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_RS_CODE_MODE_SEC <DTV-ATSCMH-RS-CODE-MODE-SEC>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`, **line 244);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_ATSCMH_SCCC_BLOCK_MODE <DTV-ATSCMH-SCCC-BLOCK-MODE>`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master]`

- :ref:`DTV_ATSCMH_SCCC_CODE_MODE_A <DTV-ATSCMH-SCCC-CODE-MODE-A>`

- :ref:`DTV_ATSCMH_SCCC_CODE_MODE_B <DTV-ATSCMH-SCCC-CODE-MODE-B>`

- :ref:`DTV_ATSCMH_SCCC_CODE_MODE_C <DTV-ATSCMH-SCCC-CODE-MODE-C>`

- :ref:`DTV_ATSCMH_SCCC_CODE_MODE_D <DTV-ATSCMH-SCCC-CODE-MODE-D>`

In addition, the :ref:`DTV QoS statistics <frontend-stat-properties>` are also valid.

DTMB delivery system

The following parameters are valid for DTMB:

- :ref:`DTV_API_VERSION <DTV-API-VERSION>`

- :ref:`DTV_DELIVERY_SYSTEM <DTV-DELIVERY-SYSTEM>`

[Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst, **line 269);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_TUNE <DTV-TUNE>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 271);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_CLEAR <DTV-CLEAR>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 273);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_FREQUENCY <DTV-FREQUENCY>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 275);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_MODULATION <DTV-MODULATION>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 277);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_BANDWIDTH_HZ <DTV-BANDWIDTH-HZ>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 279);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_INVERSION <DTV-INVERSION>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 281);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_INNER_FEC <DTV-INNER-FEC>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 283);** *backlink*

Unknown interpreted text role "ref".

- :ref:`DTV_GUARD_INTERVAL <DTV-GUARD-INTERVAL>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 285);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_TRANSMISSION_MODE <DTV-TRANSMISSION-MODE>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 287);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_INTERLEAVING <DTV-INTERLEAVING>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 289);** *backlink*

  Unknown interpreted text role "ref".

- :ref:`DTV_LNA <DTV-LNA>`

  System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 291);** *backlink*

  Unknown interpreted text role "ref".

In addition, the :ref:`DTV QoS statistics <frontend-stat-properties>` are also valid.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master][Documentation][userspace-api][media][dvb]frontend-property-terrestrial-systems.rst`**, line 293);** *backlink*

Unknown interpreted text role "ref".