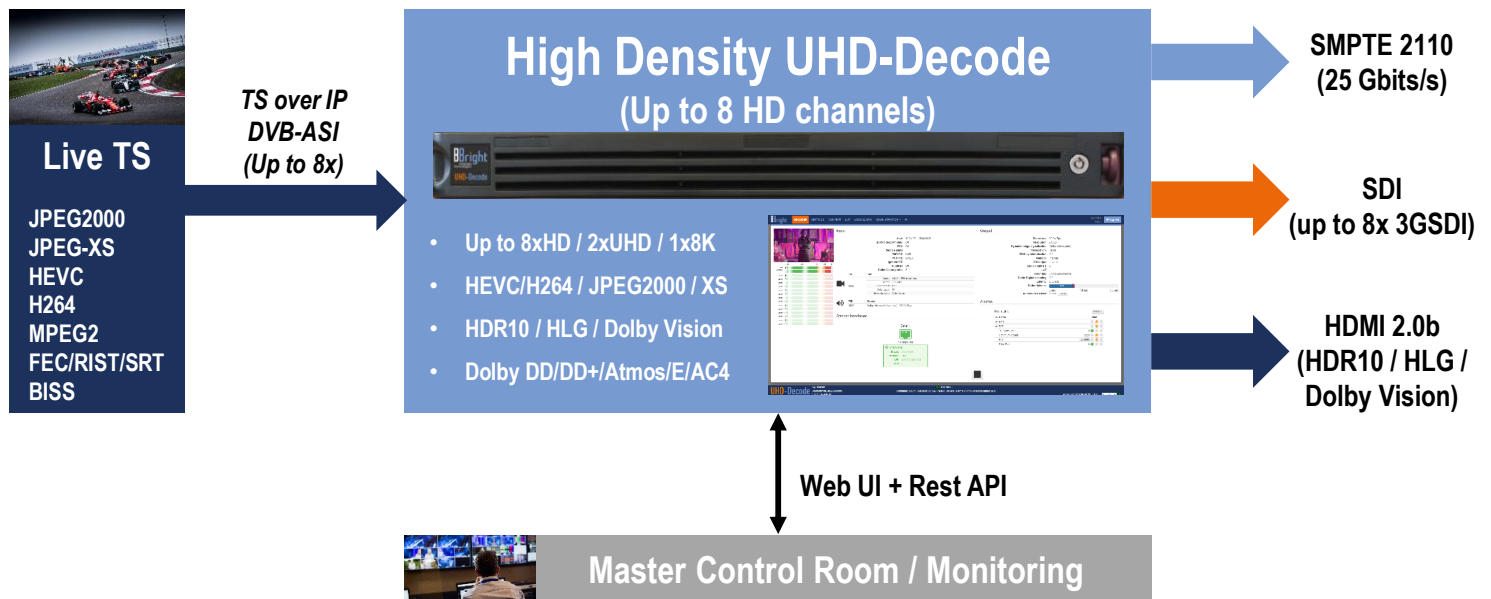


### ■ Highlights

- ✓ Versatile contribution decoder supporting HEVC/H264/MPEG2, JPEG2000 and JPEG-XS
- ✓ Up to 8 HD Channels or 2 Ultra HD Channels per decoder
- ✓ Multi format outputs with SMPTE 2110 / SDI / HDMI
- ✓ Dolby Atmos and Dolby Vision compatible
- ✓ Low power (25W per channel)



### ■ Specifications

#### ■ Video:

- ✓ Multi-Codec support: HEVC / H264 / MPEG2 / JPEG2000 / XS
- ✓ HEVC/H264/MPEG2 up to 160 Mbps
- ✓ JPEG2000 Up to 400 Mbps (VSF-TR01)
- ✓ 4:2:0 / 4:2:2, Up to 10bits
- ✓ Up to 8 HD channels (multi codecs)
- ✓ 25 / 29,97 / 50 / 59.94 fps

#### ■ Audio:

- ✓ Up to 16 Audio Channels
- ✓ AAC-LC/HE-AAC v1/v2 / MPEG1/2 LayerII decoding
- ✓ Dolby DD / DD+ / DD+JOC / E / AC4 passthrough
- ✓ Dolby DD / DD+ / DD+JOC / E / AC4 decoding

#### ■ HDR:

- ✓ HLG / HDR10
- ✓ Dolby Vision
- ✓ HDR -> SDR tone mapping for monitoring

#### ■ Metadata

- ✓ CC 608 / 708 passthrough or burnt into video
- ✓ DVB subtitles & teletext passthrough or burnt into video
- ✓ ST-12M Time Code, ST-352, ST-2108

#### ■ Inputs:

- ✓ Multicast or Unicast TS over IP on dual Gb Ethernet ports
- ✓ 8x DVB-ASI inputs (HD-BNC)
- ✓ SPTS or MPTS (PID Filtering)
- ✓ Input scan
- ✓ ETR 101-290 level 1 input error monitoring
- ✓ FEC/SMPTE 2022-1/SMPTE 2022-7
- ✓ Rist & SRT support
- ✓ BISS Decryption (Up to BISS-CA)

#### ■ Outputs:

- ✓ Up to 8x HD Channels (1080p) / 2x UHD (8x HD-BNC)
- ✓ UHD over Quad 3G-SDI / 12G-SDI / SMPTE 2110 / HDMI 2.0b
- ✓ Genlock (SDI) & PTP Support (2110)

#### ■ Controls:

- ✓ Intuitive Web UI
- ✓ Rest API

#### ■ Chassis

- ✓ 1 RU Chassis
- ✓ 437 mm x 610 mm x 43 mm
- ✓ Redundant power supplies (hot swappable)

# UHD-Decode / Multichannel J2K / HEVC / AVC Decoder

## Markets and Use Cases

- ✓ High Bitrate Contribution
- ✓ High End Monitoring
- ✓ HDR and Advanced Audio validation
- ✓ Broadcast Centers
- ✓ Large Video Infrastructures
- ✓ OB Truck

## User Interface

The screenshot displays the BBright UHD-Decode web interface. The top navigation bar includes 'Monitoring' and 'Configuration' tabs, with a 'DEACTIVATE' button. The main content area is divided into several sections:

- Input Configuration:** Shows interface settings for 'Data In 1', including Stream IP (224.1.7.50), Stream Port (1140), and SSM (224.1.7.50:1140). It also features a 'STOP' button and a '2022-7 Redundant' checkbox.
- Decoding:** A central panel with a bit rate graph showing multiple streams (256-262 Mb/s) and a 'Service info' section for selected streams (e.g., 256 (0x100) with 6.2 Mb/s bit rate and H264 codec).
- Monitoring:** A video preview window on the right showing a live feed of a person preparing food, with associated audio level meters and technical data like 'Resolution: 1080p' and 'Frame rate: 59.94 Fps'.
- ETR 290 Level 1:** A control panel for ETSI 290 Level 1 parameters, including PMT, PAT, Scrambling, Repetition, Table ID, TS sync loss, and Continuity count.

The footer of the interface shows 'UHD-Decode MyPlatform 2.0.1.1-build6 399900920BBR020390001' and system information like '11:41:10 - 29/10/2020 - Europe/Paris'.

## Ordering Options

Type	Reference	Description	Compatibility	
Appliances	DEC_UHD_DECODE_NOLIC	UHD-Decode 1xUHD / 4xHD decoding platform. HEVC/AVC. 1RU.	X	
	DEC_UHD_DECODE_2CH_NOLIC	UHD-Decode 2xUHD / 8xHD decoding platform. HEVC/AVC. 1RU.		X
Hardware Options	DEC_4X3GSDI	4x3GSDI output option	X	
	DEC_8X3GSDI	8x3GSDI output option		X
	DEC_4XASI	DVB-ASI input option (4ch), replace IP port	X	
	DEC_8XASI	DVB-ASI input option (8ch), replace IP port		X
	DEC_12GSDI_HDMI	12GSDI + HDMI 2.0b output option	X	
	DEC_DOLBY_VISION	Quad 3GSDI - HDMI Dolby Vision	X	
	DEC_2110	SMPTE 2110 Dual SFP 25Gbits output option	X	X
Software Options	DEC_UHD_DECODE_1HDLIC	License for 1HD/FHD Channel (4 Licenses for 1 UHD)	X	X
	DEC_JPEG-XSOUT	Software license for JPEG-XS output (ST 2110-22)	X	X
	DEC_FEC	FEC support / SMPTE 2022-1	X	X
	DEC_ZIXI	Support for ZIXI input protocol	X	X
	DEC_RIST_SRT	Support for RIST/SRT input protocol	X	X
	DEC_DOLBY_AUDIO	Dolby DD / DD+ / Atmos / E / AC4 decoding option	X	X
	DEC_J2K	Support JPG2000 + JPEG-XS decoding	X	X
	DEC_BISS	BISS 1, 2, E, CA support	X	X