



KEY ADVANTAGES

Fully integrated side panel for Sony HDC-5500, HDC-3500 and HDC-3500H

Support for UHD/HD HDR

**Low latency UHD/HD Resolution encoding
(Typically 35mS input to output)**

Interchangeable RF Modules

Full return camera control including Bi-directional data

Supports Anton Bauer and V Lock battery plates

3x Slow motion and live HD phase operation

Wireless Adaptor for Sony HDC Cameras

Sony HDC cameras (HDC-5500, HDC-3500 and HDC-3500H) can be made wireless using the DBS Sony wireless adaptor. This side panel integrates a True 4K HEVC encoder with a COFDM modulator and return camera control into a drop down panel mounted on the side of the camera.

Panel fitting is a specialist function and requires technician access to the camera. Power is provided to the camera through V Lock or Anton Bauer battery plates whilst an additional external power connector is provided at the base.

Control is achieved through a LCD screen inside the panel or via RJ45 ethernet connection. The wireless Sony adaptor is equipped with a high quality, low-latency H.265 (H.264 is also available) encoder capable of UHD and HD formats in 10bit 4:2:2 with automatic HDR support.

Audio can be input from the rear as analogue audio or de-embedded from the camera stream, and can be encoded as linear PCM, MPEG 1 or AAC. The built in COFDM modulator has 100mW of power and is available in a full range of frequency bands.

Camera control and functionality is accessible through a single LCD control panel or using the web browser interface; Camera control is either uni or bi-directional and supports a full range of camera and tally functions.

In UHD mode 3x Slow motion HD phases can be delivered along with a live HD feed, requires third party external equipment.

Connectors

RF out	N Type Female
RF In (Cam Control)	SMA Female Video
Video Out HD-SDI	BNC
Ethernet	RJ45

RF

Frequency Bands (others on request)	2-2.7GHz, 3-3.5GHz, 5.5-6GHz
Tuning Step Size	250kHz
O/P Power	100mW

DVB-T Modulation

DVB-T Bandwidth	Dual Ped, 8MHz, 7MHz and 6MHz modes
DVB-T Guard	1/32, 1/16, 1/8, 1/4
DVB-T FEC	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T Modulation	QPSK, 16QAM, 64QAM
DVB-T Bit-rates	3.6Mbps to 40Mbps

Video

Video Coding	H.264 (DTC optional) and H.265
Input Format H.264	1920x1080p 59.94/50Hz 1920x1080i 59.94/50Hz 1920x1080p 30/29.97/25/24/23.97Hz 1920x1080psf 30/29.97/25/24/23.97Hz 1280x720p 60/59.94/50Hz
Input Format H.265 4K UHD	4:2:2/4:2:0, 8/10-bit 2160p 23.98/24/25/29.97/30/50/ 59.94/60 HD: 4:2:2/4:2:0, 8/10-bit 720p 50/59.94/60 1080i 50/59.94/60 1080p 23.98/24/25/29.97/30/50/ 59.94/60 1080psf 23.98/24/25/29.97/30
Latency	Typically 35mS input to output

HDR/WCG

Supported	Rec. ITU-R BT.2100-2 (PQ and HLG) Rec. ITU-R BT.2020
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Audio

Format	Embedded
Encoder	MPEG-1 Layer 1, MPEG-1 Layer 2, AAC-LC, Linear PCM
Quantity	4 pairs (8 pair if MPEG or Linear PCM)
Analogue	1 pair line / mic level

IP Streaming

Format	Unicast / Multicast / UDP / RTP / SRT
Bitrate	25Mb/s maximum

Camera Control

Type	DBS 403-473MHz UHF
Mode	Uni or Bi-directional
Controls	Standard camera features and Tally

Control

Local	Joystick and menu screen
Remote	IP web browser Control

Dimensions

Size (WxDxH)	200 x 90 x 130mm
Weight	1.2kg
Mounting	AB / VLock Plate / mounting plates

Power

DC In:	9-18V 36W typical @ 4K encoding
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Environment

Temperature Range	-10 to +50 °C
Sealing	Unsealed

Product Codes

DBS-CA-SONHDC-TX-V-200270
Sony side panel adapter V Lock 2 to 2.7GHz
DBS-CA-SONHDC-TX-V-300350
Sony side panel adapter V Lock 3 to 3.5GHz
DBS-CA-SONHDC-TX-V-550600
Sony side panel adapter V Lock 5.5 to 6GHz
DBS-CA-SONHDC-TX-A-200270
Sony side panel adapter Anton Bauer 2 to 2.7GHz
DBS-CA-SONHDC-TX-A-300350
Sony side panel adapter Anton Bauer 3 to 3.5GHz
DBS-CA-SONHDC-TX-A-550600
Sony side panel adapter Anton Bauer 5.5 to 6GHz
LIC-4K
Optional UHD Upgrade inc. 3x HD slow motion and live phases

Note: Other frequencies available on request