



KEY ADVANTAGES

Fully integrated docking back for Grass Valley LDX

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

Supports Anton Bauer and V Lock battery plates

Wireless Adaptor for Grass Valley LDX Cameras

Grass Valley LDX cameras can be made wireless using the DBS Grass Valley wireless adaptor. This screw on back integrates a True 4K HEVC encoder with a COFDM modulator and return camera control into screw on camera back.

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. Analogue stereo audio inputs are supported as well as camera control and Tally interfaces.

Control is achieved through a miniature LCD screen on the rear or via RJ45 ethernet connection. The wireless Grass Valley 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.

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

Connectors

RF out	N Type Female
RF In (Cam Control)	SMA Female
Video Out HD-SDI	BNC
Power In	XLR 4 pin Male
Audio In A/B	XLR 3 pin Female
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
-----------	---

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
--------	------------------------------------

Environment

Temperature Range	-10 to +50 °C
Sealing	Unsealed

Product Codes

- DBS-CA-LDX-TX-V-200270**
Grass Valley Wireless Adaptor V Lock 2 to 2.7GHz
- DBS-CA-LDX-TX-V-300350**
Grass Valley Wireless Adaptor V Lock 3 to 3.5GHz
- DBS-CA-LDX-TX-V-550600**
Grass Valley Wireless Adaptor V Lock 5.5 to 6GHz
- DBS-CA-LDX-TX-A-200270**
Grass Valley Wireless Adaptor Anton Bauer 2 to 2.7GHz
- DBS-CA-LDX-TX-A-300350**
Grass Valley Wireless Adaptor Anton Bauer 3 to 3.5GHz
- DBS-CA-LDX-TX-A-550600**
Grass Valley Wireless Adaptor Anton Bauer 5.5 to 6GHz
- LIC-4K**
Optional UHD Upgrade

Note: Other frequencies available on request