BMS Video Assist
Wireless HD Camera Monitoring Kit

> Applications

- Cinema Video Assist
- Electronic News Gathering
- Live Entertainment Events
- Professional Sports Production

> Benefits

- System complete with antennas, cables, transmitter, and receiver/monitor
- FCC Part 15 License Free Operation (US)
- Compact and Lightweight Equipment
- Narrow Band COFDM 2k RF Transmission
- Robust FFT-MRC Diversity Reception
- MPEG2 and H.264 Encoding
- Receiver/Monitor Outputs:
    HDMI
    Streaming Ethernet
    Internal DVR (to SD card)
- AES Encryption*
- Quiet operation
- Transmitter Battery Mount options
    Anton Bauer/IDX
- DC pass-through to camera
- 200 mW RF output power
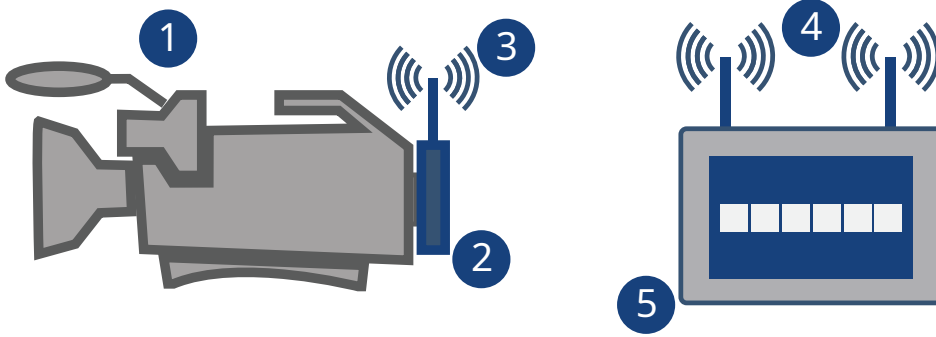- 6/7/8 MHz bandwidth

* Optional

> Features

BMS COFDM wireless video assist systems include the transmitter, antennas, hand-held receiver/monitor, and accessories - everything needed to provide robust long range live video coverage. And as dedicated frequencies become more difficult to secure, users are increasingly looking towards license-free operation.

The BMS 5.8GHz Video Assist Camera Kit pairs a license free NT5723MH transmitter with our advanced Carry-Viewer 4 (CV4) digital receiver/ monitor along with all the accessories needed to offer a complete broadcast quality wireless solution - fully license-free - for covering any live video assist application.

Contact the factory about advanced options including wireless camera control capability using camera manufacturer's native remote control panel.

Description
1. Camera
2. NT5723MH Transmitter
3. Transmit Antenna
4. Receive Antennas
5. CV4-5 Receiver/Monitor

> Technical Characteristics

Frequency	Transmitter 5.725 to 5.850 GHz Receiver UHF Input (Block Downconverters incld)
Channel Bandwidth	6/7/8 MHz
Modulation	COFDM DVB-T 2K [QPSK, 16QAM, 64QAM]
Diversity Method	Fast Fourier Transform – Maximum Ratio Combining (FFT-MRC)

H.264 Encoding (AVC)	SD MP@L4.0 (4:2:0, 4:2:2)
	
	HD MP@L4.0 (4:2:0, 4:2:2)
	        HP@L4.0 (4:2:2)
	        HI422@ML
	        HI422@HL 4.0

MPEG-2 Encoding	MPEG-2 SP@ML MPEG-2 MP@ML MPEG-2 SP@HL (HD) MPEG-2 422 in SD and HD

Video	• NTSC 525i 59.94/60
	• PAL 625i 25/50
	• HD-SDI 720p/1080i
	  23.976, 24, 25, 29.97, 30, 50, 59.94, 60
	• HD-SDI 1080p
	  23.976, 24, 25, 29.97, 30

Control	Built-in display and keyboard
Temperature	-10 to +50°C (+14 to +122°F)
Relative Humidity	5 to 95%

	NT5723MH Transmitter	CV4 Receiver/Monitor
Voltage Input	+12-18VDC; available in Anton/Bauer Gold Mount or Sony V Mount models	Internal 5.5AH Li-Ion Battery or External +9-20 VDC from AC power supply
Dimensions	85mm x 30mm x 142mm (3.35" x 1.19" x 5.60")	177.8 x 228.6 x 43.2 mm (7.0 x 9.0 x 1.7")
Weight	0.45kg (1lb)	<1.36 kg (3.5 lbs.)
Power Consumption	20W	20W

Ordering Information

BVAK-5-A	5725-5850 MHz	For Anton-Bauer battery
BVAK-5-V	5725-5850 MHz	For Sony or IDX V-mount battery

> Inputs/Outputs

NT5723MH

BNC (f)	Video In	SDI; HD-SDI; ASI	75 Ω
BNC (f)	Video In	CVBS	75 Ω
4pol Lemo (f)	Audio In	2x analog Audio In Line or Mic level	600 Ω
4pol Lemo (m)	Data In	RS-232 for configuration	
SMA (f) (top face not shown)	RF Out	200 mW	50 Ω

NT5723MH - lower face

CV4

Connectors			
SMA (f) (x2)	RF input	5725-5850 MHz	50Ω
RJ-45	Data	Web page configuration, streaming video output	
HDMI-A (f)	HDMI Out	Video output	
USB- Micro (f)	Data	On-The-Go Configuration Data Input Port	
Micro SD slot	Memory card	SD memory card for DVR	
Barrel Connector, 5.5mm OD (f)	DC	+9 to +18 VDC Input	

* Optional

CV4 - connector panel

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