



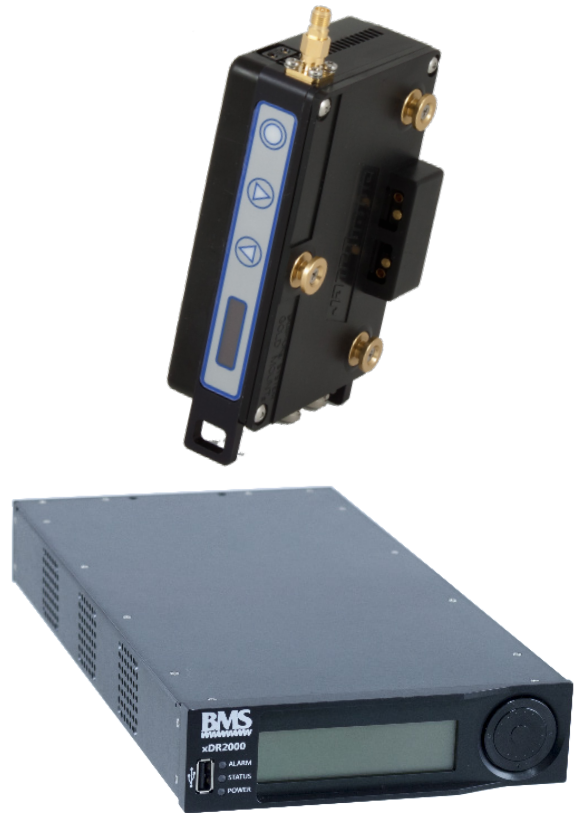
# 5.8 GHz Wireless Camera System Kit

## > Applications

- Electronic News Gathering
- Live Events
- Video Assist
- Professional Sports

## > Benefits

- System complete with antennas, cables, transmitter, and receiver.
- FCC Part 15 License Free Operation (US)
- Compact Transmit and Receive Equipment
- COFDM 2k RF Transmission
- Robust FFT-MRC Diversity Reception
- MPEG2 and H.264 Encoding
- BTP Encryption
- Rugged, lightweight design
- Quiet operation
- Transmitter Battery Mounts  
Anton Bauer/IDX
- DC pass-through to camera
- 200 mW RF output power
- 6/7/8 MHz bandwidth
  
- Options
  - Cam-Command Remote Camera Control
  - AES or BISS Encryption License



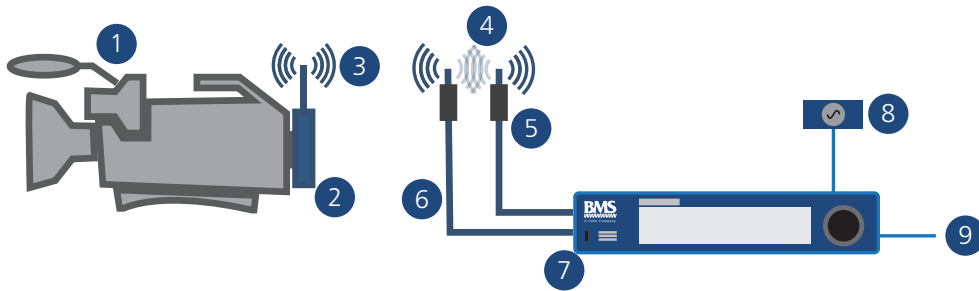
## > Features

BMS COFDM wireless video systems include the transmitter, antennas, receiver, 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 Wireless Camera kit pairs our license free NT5723MH transmitter with our advanced xDR2000 digital receiver along with all the accessories needed to offer a complete broadcast quality wireless solution - fully license-free - for covering any live event or application. The system also includes advanced features such as Genlock, ASI in and out, as well as a wide range of digital video outputs.

Contact the factory about optional Cam-Command remote camera control for Sony, Ikegami, Panasonic, Hitachi, and GVG/Thomson cameras. Cam-Command allows use of existing camera remote control panels (RCP's).

## > 5.8 GHz Wireless Camera Kit



### Description

1. Camera (customer furnished)
2. NT5723MH Transmitter
3. Transmit Antenna (BMA-5803-F5)
4. Receive Antennas (X2 BMA-8-O)
5. 5.8 Ghz Block Down Converter (x2)
6. RF/UHF Cable
7. xDR2000 (UHF/SHF receiver)
8. Power Supply
9. HD-SDI//HDMI/ASI Output
10. \*WEBi (not shown)

\* Optional

## > 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	<ul style="list-style-type: none"> <li>• 1920 x 1080i/psf/p 23.98/24/25/29.97/30 fps</li> <li>• 1280 x 720p 23.98/24/25/29.97/30/ 50/59.94/60 fps</li> <li>• 720 x 576i/psf/p (PAL)</li> <li>• 720 x 480i/psf/p (NTSC) 23.98/24/25/29.97/30/ 50/59.94/60 fps</li> </ul>	
Control	Built-in display and keyboard	
Temperature	-10 to +50°C (+14 to +122°F)	
Relative Humidity	5 to 95%	
	<b>NT5723MH Transmitter</b>	<b>xDR2000 Receiver</b>
Voltage Input	12-18 VDC; available in Anton/Bauer Gold Mount or Sony V Mount models	12 to 18 VDC
Dimensions	85mm x 30mm x 142mm (3.35" x 1.19" x 5.60")	165mm x 320mm x 1RU (6.5" x 12.6" x 1RU)
Weight	0.45kg (1lb)	2kg (4.4lbs)
Power Consumption	20W	22W

## > Ordering Information

8714505010	WCS-5A	5.8 GHz, Anton-Bauer Gold Mount
8714505020	WCS-5V	5.8 GHz, IDX/Sony V-Mount
8015049000	WEBi	Optional Ethernet control for xDR2000 receiver

## > Inputs/Outputs

### NT5723MH

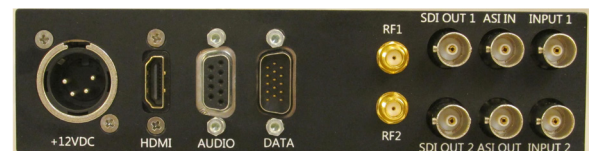
BNC (f)	Video In	SDI; HD-SDI; ASI	75 Ω
BNC (f)	Video In	CVBS	75 Ω
4pol Lemo (f)	Audio In	2x analog Audio In Line or Mic level	600 Ω
4pol Lemo (m)	Data In	RS-232 for configuration	
SMA (f) (top face not shown)	RF Out	200 mW	50 Ω



NT5723MH - lower face

### xDR2000

USB- std A (f) on Front panel (not shown below)	Data	Configuration Data Input Port	
<b>Rear Panel Connectors</b>			
BNC (f)	ASI In*	Transport Stream Input	75Ω
BNC (f)	ASI out*	Transport Stream Output	75Ω
BNC (f)	HD-SDI Out	2x Video Output	75Ω
BNC (f)	Genlock	Digital frame synchronization	75Ω
BNC (f)	CVBS	Composite Video Output	75Ω
BNC (f)	UHF In	(2x) 50-850 MHz UHF Input	75Ω
SMA (f)	SHF In	(2x) 2.0-2.5 GHz SHF Input	50Ω
DE-9 (f)	Control	Control/Data channel output	
DE-9 (f)	Audio Out	Audio Output, balanced	600Ω
HDMI-A (f)	HDMI Out	Video/Audio output	
4-pin XLR (m)	DC	+12 to 18Vdc Input	22W



xDR2000 - back panel

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