



# Broadcaster 4K Total



NDI®|HX - SRT

Connect your Broadcaster 4K Total to a PC / Mac and record and stream with your favourite application or service with a single click. Thanks to RTSP or RTMP Push protocols, this Broadcaster automatically sends 4K content to multi-technology streaming tools. In addition, the new 4K Total has intelligent speaker tracking and digital microphones included in its construction, perfect for your audiovisual productions.

You will enjoy the benefits of this Broadcaster and its 4K technology with intelligent tracking and its wide angle. With this equipment you will have a 16X optical zoom and 4K UHD resolution. In short, a high-performance camera designed for any production environment.

4K

4K Ultra HD at 30fps

NDI®|HX and SRT

With NDI®|HX and SRT protocols



Smart speaker tracking

255

255 presents for your productions



12X optical zoom

Compatible with:

Compatibles with leading production and streaming solutions



## CLOSE UP CAMERA

<b>Video System</b>	4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080i@60fps, 1080i@50p, 1080P@30fps, 1080P@59.94fps, 1080i@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps
<b>Sensor</b>	1/2.5", CMOS, Effective Pixel: 851M
<b>Scanning mode</b>	Progressive
<b>Lens</b>	12x, f - 4.4mm - 52.8mm, F1.8 - F2.6
<b>Digital zoom</b>	16x
<b>Minimal Illumination</b>	0.5Lux @ (F1.8, AGC ON)
<b>Shutter</b>	1/30s - 1/10000s
<b>White balance</b>	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
<b>Backlight compensation</b>	Support
<b>Digital noise reduction</b>	2D&3D Digital Noise Reduction
<b>Video S/N</b>	≥55dB
<b>Horizontal angle of view</b>	71° - 82°
<b>Vertical angle of view</b>	42.7° - 45°
<b>Horizontal rotation range</b>	±170°
<b>Vertical rotation range</b>	±30°
<b>Pan speed range</b>	1.61° - 75.56°/s
<b>Tilt speed range</b>	0.44° - 15°/s
<b>H&amp;V flip</b>	Support
<b>Image freeze</b>	Support
<b>Number of preset</b>	255
<b>Preset accuracy</b>	0.1°
<b>Supported protocols</b>	NDI® HX and SRT

## PANORAMA CAMERA

<b>Video system</b>	4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080i@60fps, 1080i@50p, 1080P@30fps, 1080P@59.94fps, 1080i@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps
<b>Sensor</b>	1/2.5", CMOS, Effective Pixel: 851M
<b>Scanning mode</b>	Progressive
<b>Lens mount</b>	M12 Mount
<b>Lens</b>	f-8.2mm, H FOV 42°
<b>Minimal Illumination</b>	0.5 Lux @ (F1.8, AGC ON)
<b>Shutter</b>	1/30s - 1/10000s
<b>White balance</b>	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
<b>Digital noise reduction</b>	2D, 3D digital noise reduction
<b>Backlight compensation</b>	Support
<b>Image freeze</b>	Support
<b>H&amp;V flip</b>	Support

## USB FEATURED

<b>Operate system</b>	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
<b>Color system/compression</b>	YUV / H.264 / MJPEG / H.265 / NV12
<b>Video format</b>	YUY2 : max 1080P@30fps H.264 AVC: max 2160P@30fps H.264 SVC: max 2160P@30fps MJPEG: max 2160P@30fps H.265: max 2160P@30fps
<b>Audio on USB</b>	Support
<b>USB video communication protocol</b>	UVC 1.1-1.5
<b>Dual stream</b>	Support
<b>UVC PTZ</b>	Support

## NETWORK FEATURES

<b>Video compression</b>	H.265/H.264/MJPEG
<b>Video stream</b>	First Stream, Second Stream,
<b>First stream resolution</b>	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
<b>Second stream resolution</b>	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
<b>Video Bit rate</b>	32kbps-20480kbps
<b>Bit rate type</b>	Variable Rate, Fixed Rate
<b>Frame rate</b>	50Hz: 1fps - 50fps, 60Hz: 1fps - 60fps
<b>Audio compression</b>	AAC, G711
<b>Audio bit rate</b>	48Kbps, 64Kbps, 96Kbps, 128Kbps
<b>Support protocols</b>	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB/T28181, Multicast, etc.

## INPUT/OUTPUT INTERFACE

<b>HD output</b>	1xHDMI: Version 2.0 1x3G-SDI: BNC type, 800Vp-p, 75Ω, Along to SMPTE 424M standard
<b>Network interface</b>	1xRJ45: 10M/100M/1000M Ethernet Interface, Support PoE power supply
<b>Audio interface</b>	1-ch: Line In, 3.5mm Audio Interface
<b>USB</b>	1 xUSB 3.0, Type-B socket; 1 xUSB2.0, Type-A socket
<b>Communication interface</b>	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
<b>Power jack</b>	DC-005/Ø2.0 type (DC IN 12V)

## GENERIC SPECIFICATION

<b>Input voltage</b>	DC 12V/PoE (802.3af)
<b>Current consumption</b>	1.0A (Max)
<b>Operating temperature</b>	-10°C - 40°C (14°F - 104°F)
<b>Storage temperature</b>	-40°C - 60°C (-40°F - 140°F)
<b>Power consumption</b>	12W (Max)
<b>Size</b>	200mm x 150mm x 165mm
<b>Net weight</b>	1.6Kg
<b>Warranty</b>	3-year warranty 'Prime support' 24 hrs advanced replacement

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