



4K Professional Broadcast PTZ Camera DCG-UHD800 Series

1/1.8"

NDI/HX3

Dual 12G-SDI

RTMP/s

SRT

FREE D



DCG-UHD800 4K Series

PROMO PRICES:

UHD812 for **\$2430.00 CAD**

UHD820 for **\$2698.50 CAD**

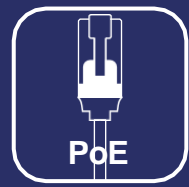
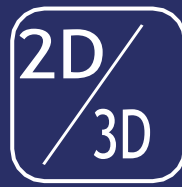
UHD830 for **\$2969.00 CAD**

{wall mount bracket included}

UHD800 adopts a new ROBOTIC concept appearance & U Type design, more stable with a smoother Pan/Tilt move. It will provide users with Real 4K@60 ultra-high-definition video experience which is more Realistic, has better Colors, and additional Clarity.

Equipped with 1/2.5" or 1/1.8" New Generation Sony 4K High quality Sensor, with 12X/20X/30X multiple Optical Zoom lenses, and abundant Video interface; Supports USB 3.0, HDMI 2.0 and 2*3G-SDI or Dual 12G-SDI Video output. It can support NDI/HX3, which gives users the option to join Ultra HD broadcast workflows or transmit low latency UHD video over IP networks; SRT & Free D Protocol also helps user for AR/VR files. The Built-in VISCA/Visca Over IP/ PELCO P/D/ ONVIF communication Protocol allows seamless integration of system control applications.

It can be widely used in Broadcast studios, Education recording, Conferences AV, Telemedicine, Remote training, Court trial systems, Emergency command systems, and Sports & Events Streaming.



4K Ultra-High-Definition ultimate picture quality More Realistic, More Colorful, More Clarity

DCG-UHD800 Adopts 8.3 Megapixels Sony high quality 4K CMOS sensor, can reach maximum 3840x2160 resolutions and output frame rate up to 60fp and 59.94.



Abundant Interface, Max support Dual 12G-SDI synchronous Video output

Supports HDMI 2.0 HD, 2*3G-SDI or 2*12G-SDI and IP Streaming/NDI output, USB3.0 uncompressed UVC output, optional SD VoE uncompressed network output, and all HDMI, SDI, IP, USB, SD VoE interfaces can create synchronous output of 4K60 images. Especially for the UHD800 Dual SDI Video output design - Multi-channel SDI signal output can be released without SDI distributor.



Live VR/AR video production

UHD800 supports the Free D protocol. This enables users to work with Virtual Reality and Augmented Reality sets without the need for additional sensors.



12/20/30X optical zoom lens to capture every detail of what you need

Equipped with a 1/2.5" or 1/1.8" new generation SONY sensor, a variety of optical zoom lenses such as 12x, 20x, and 30x can be selected. With fast zoom and focus capabilities, it provides clear and smooth images to user.



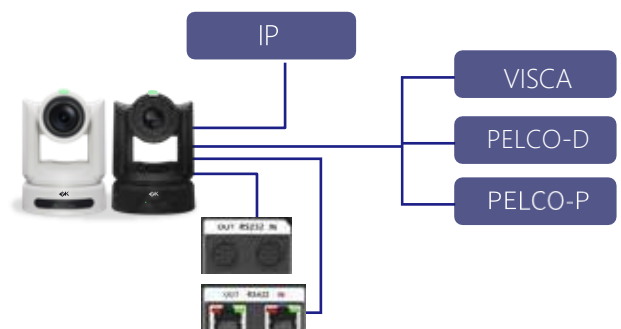
NDI|HX3 with Very Low Latency

The camera embedded with the latest NDI 5.0 technology, with Ultra-Low Latency, Low Bandwidth requirements to display Full HD4K Video Streaming.

	NDI HX3	NDI HX2
Quality	very good	Good
Bandwidth	Middle (~80Mbps)	Low (~18 Mbps)
Latency	Extremely low	Medium
Requires FPGA	No	No
GOP	1or2	60

Supports multiple communication ways through remote control

UHD800 Built-in Multiple Communication Protocol of VISCA/UDP/ONVIF/PELCO/P, PELCO D/UVC. It can support Communication Control by RS485/RS422/RS232/USB3.0/ IP interface.



Supports the preset freeze function, scene switching

The camera supports the preset freeze function. Users can enable this function and use the preset function to release free switching of scenes.



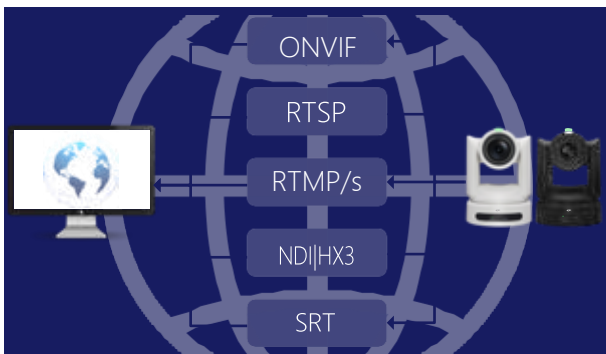
Max Support 255 Presets

The camera has settings & call Presets of up to 255 presets (The Remote controller can support 10 Presets). You can switch the image as you please, even in complex scenes. It allows you to capture every moment.



IP Streaming in your video production

Supports ONVIF, RTSP, RTMP/s, ND||HX3, SRT protocols, and can be expanded according to user needs.



Double Color Tally Light

The Tally light supports 2 kinds of colors - Red & Green. The brightness can be adjusted as per user requirement. It distributes in the Front or Back of the Camera.



360° infrared remote control

Supports 360° infrared remote control, no matter what angle or position, the user can freely control the camera through Remote Controller.



More stable and Smoother with Ultra-silent Pan/Tilt move

Using high-precision stepping motor with "U" Type Structure design in our Ultra-unique silent Drive - it allows a more stable and smoother Pan/Tilt move.



- Specifications -

4K Ultra HD PT Z Camera	Model	UHD812	UHD820	UHD830
	CMOS Sensor	1/2.5" CMOS	1/1.8" CMOS	1/1.8" CMOS
	Zoom	12X	20X	30X
	Effective Pixels	8.3 Megapixels		
	Video Format	2160P60/59.94, 2160P50, 2160P30/29.97, 2160P/25; 1080P60/59.94, 1080P50, 1080P30/29.97, 1080P25; 1080i60/59.94, 1080i50; 720P60/59.94, 720P50		
	Optical Zoom	12x Optical Zoom 12X Digital Zoom	20x Optical Zoom 12X Digital Zoom	30x Optical Zoom 12X Digital Zoom
	Focus Length	f=3.85~43.08mm	f=7.1~141.3mm	{=7.1~211.95mm
	HFOV	7.9°(T) ~80.4°(W)	3.6°(T) ~59.2°(W)	2.5°(T) ~59.2°(W)
	Iris	F1.8 ~ F3.68	F1.61 ~ F5.19	F1.61 ~ F5.19
	Min Illumination	0.05 lux (F1.61)		
	Digital Noise Reduction	2D&3D Noise Reduction		
	White Balance	Manual/Auto/Indoor/outdoor/One Push//3000K/4000K/5000K/6500K/ATW		
	Focus mode	Manual/Auto/Z- Trigger		
	Iris mode	Manual/Auto		
	BLC	1-8/OFF		
Picture adjustment	Brightness, Hue, Saturation, Contrast, Sharpness			
I/O Parameters	Video Output Interface	HDMI2.0, 3G-SDI*2 or 12G-SDI*2, RJ45, USB3.0		
	Video Compression Format	H.264, H.265, MJPEG		
	Control interface	1X RS232 IN, 1X RS232 Out, 1X RS422 IN, 1X RS422 Out , 1X RJ45		
	Control Protocol	VISCA /PELCO-D / PELCO-P, VISCA OVER IP, ONVIF, UVC (only for USB interface)		
	Baud Rate	2400/4800/9600/19200/38400bps		
	Audio Input	Dual channel 3.5mm line input		
	Audio Compression	ACC, G711A, G711U		
	Network Interface	1000M Internet Access(10/100BASE-TX)		
	Network Protocol	RTSP, RTMP, ONVIF, NDIIHX3, SRT, GB28181, VPN		
	Power Interface	DC-038 Outlet (DC12V)		
Pan/Tilt Mechanical Parameters	Pan Rotation Angle	-173°~+173°		
	Tilt Rotation Angle	-30°~+90°		
	Horizontal rotation speed range	0.1~100°/s		
	Vertical rotation speed range	0.1-80°/s		
	Presets	Max Support 255 Presets		
General Parameters	Power Adapter	AC100V~AC240V Input, DC12V/2A Output		
	Input Voltage	DV12V		
	Power Consumption	15W(MAX)		
	Storage Environment	-10°C ~ +60°C / 20% ~ 95%		
	Working Environment	-10°C ~ +50°C / 20% ~ 80%		

- Products -

