

# Q-SYS NC-PRO15X

Network PTZ camera

## KEY FEATURES

- Network PTZ, built by Canon for Q-SYS
- 15x optical zoom (20x digital) and 73° horizontal field of view with optical image stabilization
- 1-inch 4K UHD CMOS image sensor with Dual Pixel Autofocus
- Built-in neutral density filter
- Integrated tally light
- Simultaneous output via 3G-SDI, HDMI, and IP feeds
- Add as many network-based NC Series cameras to a design as needed to enable multi-camera functionality when integrating UC platforms
- Power over Ethernet (PoE+)
- Broadcast quality video conferencing for the Q-SYS AV bridging solution
- Compatible with Canon PTZ camera controllers



The **NC-Pro15x** brings broadcast-quality video to high-impact spaces that require elevated production-grade elements. Built by Canon, the NC-Pro15x is a network PTZ camera that delivers smooth and responsive pan, tilt, and zoom performance to expand the video capture capabilities of Q-SYS.

Driven by the Q-SYS OS, the NC-Pro15x integrates seamlessly into any Q-SYS system, allowing for easy camera feed routing anywhere on the network without the need for complicated programming or video matrix hardware. These camera video feeds are delivered to any modern video conferencing applications via any Q-SYS AV bridging peripheral

### CAPTURE ANY SPACE

Q-SYS NC Series enables a broad range of room layouts, sizes and purpose to ensure all in-room participants can be seen. The NC-Pro15x expands broadcast-quality Q-SYS video capabilities to high-impact spaces that require elevated production-grade elements.

### NETWORK SIMPLICITY, USB DELIVERY

NC Series enlists a single network cable for video, power and control data transport into Q-SYS and then delivers the video to its intended UC compute device via USB. By leveraging the power of the network, Q-SYS allows you to add as many NC Series cameras to your system as you desire, all while delivering a singular UVC/UAC stream to your application of choice.

### INTRINSIC CONTROL & AUTOMATION

As native Q-SYS devices, NC Series leverage the full capabilities of the Q-SYS control engine, from drag-and-drop integration to scalable user control and automation. This allows you to design and deliver a user control and automation experience tailor-made for each unique space.

### INTEGRATED AUDIO, VIDEO AND CONTROL

NC Series cameras are driven by the Q-SYS Full Stack AV Platform, which unifies data, devices and a cloud-first open architecture to deliver a fully integrated audio, video and control solution that offers simpler integration and software-based scalability.

## SYSTEM DETAILS

Description	Network camera with motorized PTZ, 15x optical zoom (20x digital) and 73° horizontal FoV
Image sensor	1.0-in single-plate CMOS
Lens characteristics (wide to tele)	15x optical zoom, f=8.3 mm to 124.5 mm, F2.8 to F4.5
Sensor Scanning Mode	Progressive
Horizontal rotation range	+/-170°
Vertical rotation range	-30° TO +90°
Pan speed range	0.1° TO 100°/S
Tilt speed range	0.1° TO 100°/S
Vertical flip	Supported (Select the setting suited to the camera installation method, such as ceiling mount or placing on a desk)
Ceiling mountable	Yes (accessory available through Canon)
Audio inputs (XLR/3.5 mm)	Inactive

## CAMERA IMAGING

Minimum illumination	3840 × 2160 : Approx. 1.5 lux (shutter speed 1/30 sec., frame frequency 29.97 Hz, gain 33.0 dB) 1920 × 1080 : Approx. 3 lux (shutter speed 1/60 sec., frame frequency 59.94 Hz, gain 33.0 dB)
Shutter	1/3 s to 1/2000 s
White balance	Auto, Set A, Set B, daylight, tungsten lamp, manual, specified color temperature
Digital noise reduction	3D digital noise reduction

## SUPPORTED VIDEO FORMATS

Supported bridging formats	Core Nano, Core 8 Flex, NV-32-H (Core Capable), I/O-USB Bridge: <b>MJPEG &amp; YUY2</b> Core 110f, Core 24f, NV-21-HU, TSC Series: <b>YUY2</b> (360p max resolution on USB 2.0, 1080p30 max resolution on USB 3.0—except for NV-21-HU, 720p30 max resolution on USB 3.0)
Supported bridging resolutions	<b>1080p</b> : 30, 15 fps   <b>720p</b> : 30, 15 fps   <b>360p</b> : 30, 15 fps   <b>180p</b> : 30, 15 fps
IP stream resolutions (preview window)	H.264 @ 360p, 270p or 180p
HDMI output (RGB 4:2:2 10 bit) <sup>1,2,3,4</sup>	3840 × 2160: 29.97P, 25.00P, 23.98P 1920 × 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P 1280 × 720: 59.94P, 50.00P  *Same video format required for SDI and HDMI. *When 3840 × 2160 is selected for HDMI, video will not be outputted to SDI.
SDI-3G output <sup>2,3,4</sup>	1080p @ 23.98, 25, 29.97, 59.94 fps 1080i @ 50, 59.94 fps 720p @ 50, 59.94 fps  *Same video format required for SDI and HDMI. *When 3840 × 2160 is selected for HDMI, video will not be outputted to SDI.
NDI®   HX2 + Q-SYS Bridging	1080p @ 29.97, 25
NDI®   HX2 without Q-SYS Bridging	4K* @ 29.97, 25, 15 fps 1080p @ 59.94, 50, 29.97, 25, 15 fps 720p @ 59.94, 50, 29.97, 25, 15 fps 360p @ 59.94, 50, 29.97, 25, 15 fps * To use 4K output, users will need to deploy the NC-Pro15x in “NDI Only” mode.

1. When 3840 × 2160 is selected for HDMI, video will not be outputted to SDI

2. Same video format required for SDI and HDMI (cannot select different formats for SDI and HDMI)

3. By default, the Pro15x frame frequency will be set to 59.94 which provides the lowest IP stream latency.

4. To enable 3840×2160 output, the frame frequency must be set to 29.97, which increases the IP stream latency.

**POWER**

DC power supply	24 V DC USING COMPACT POWER ADAPTER (NOT INCLUDED)
Power over Ethernet (PoE)	POE+ (TYPE 2)
Power consumption	19.6 W MAX

**GENERAL SPECIFICATIONS**

Network interface	1000BaseT (IEEE 802.3ab) Ethernet interface
Operating temperature	32° to 104° F (0° to 40° C)
Storage temperature	32° to 104° F (0° to 40° C)
Humidity range	10% to 90%, non-condensing
Size	7.87 × 10.59 × 8.19 in (200 × 269 × 208 mm)
Net Weight	9.04 lbs (4.1 kg)
Accessories (sold separately)	NC-Pro15x-WM wall mount (available in black or white)

