Q-SYS NC Series

Network PTZ camera

Q-SYS NC-12×80
Q-SYS NC-20×60



KEY FEATURES

- NC-12×80: 12x optical zoom
  80° horizontal field of view
- NC-20×60: 20x optical zoom
  60° horizontal field of view
- Professional quality video conferencing for the Q-SYS AV bridging solution
- Power over Ethernet
- Distribute video via the Q-LAN network anywhere it is needed
- Add as many network-based NC Series cameras to a design as needed to enable multi-camera functionality when integrating UC platforms
- User-configurable resolution and quality for IP streams (up to 1080p), providing greater flexibility for a wide variety of use cases
- Complete camera imaging controls, including white balance, focus and exposure
- Image Rotation control inverts the video when the camera is mounted upside down. For PTZ cameras, the optional ceiling mount accessory is the PTZ-CMB1
- Local 12 V connection for PTZ models (power supply not included)
- PTZ models includes PTZ-WMB1 wall mount bracket for simple installation

Q-SYS NC Series network cameras deliver high-quality video feeds natively to Q-SYS. With multiple models to choose from, these network cameras offer simple, scalable multi-camera video solutions that will capture any space and integrate seamlessly into your connected UC platform. In addition, all NC Series can be deployed as part of the VisionSuite solution to deliver dynamic, autonomous camera framing and room automation to high-impact spaces.

Driven by the Q-SYS OS, the NC Series integrate 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 such as Microsoft Teams, Zoom, Google Meet, and Cisco Webex 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-12×80 and NC-20×60 deliver PTZ functionality for larger and/or reconfigurable room layouts.

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 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.

	NC-12x80	NC-20x60
SYSTEM DETAILS		
Description	Network PTZ conference camera	
Image sensor	1/2.8” low-noise CMOS	1/1.8” low-noise CMOS
Lens characteristics (wide to tele)	12x optical zoom f=3.47 to 41.65 mm F1.84 to F3.72	20x optical zoom f=6.25 to 125 mm F1.58 to F3.95
System scanning mode	Progressive	
Signal-to-noise ratio	≥ 55 dB	
Horizontal rotation range	+/- 170°	
Vertical rotation range	-30° to +90°	
Pan speed range	1.7° to 100°/s	
Tilt speed range	1.7° to 69.9°/s	
Horizontal and vertical flip	Supported (enables ceiling-mounted installations)	
CAMERA IMAGING		
Minimum illumination	0.5 Lux @ (F1.8, AGC ON)	
Shutter	1/30s to 1/1000s	
White balance	Auto, indoor, outdoor, one push, 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: **MJPEG & YUY2**	
	Core 110f, Core 24f, NV-21-HU, TSC Series: **YUY2** (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	**1080p**: 30, 15 fps | **720p:** 30, 15 fps | **360p:** 30, 15 fps | **180p:** 30, 15 fps	
IP stream resolutions (preview window)	H.264 @ 360p, 270p or 180p	
HDMI output (RGB 4:4:4 8 bit)	2160p @ 25, 29.97, 30 fps 1080p @ 25, 29.97, 30, 50, 59.94, 60 fps 1080i @ 50, 59.94, 60 fps 720p @ 30, 50, 59.94, 60 fps	
3G-SDI output	1080p @ 25, 29.97, 30, 50, 59.94, 60 fps 1080i @ 50, 59.94, 60 fps 720p @ 50, 59.94, 60 fps	
POWER		
DC power input	12 V (+/-20%), 12 W, JEITA connector	
Power over Ethernet (PoE)	PoE Type 1, Class 3	
Power consumption	12.95 W max	
GENERAL SPECIFICATIONS		
Network interface	1000BaseT (IEEE 802.3ab) Ethernet interface	
Operating temperature	0°C - 40°C	
Storage temperature	-40°C - 60°C	
Size	6.7 × 7.95 × 5.6 in (170 × 201 × 142 mm)	
Net weight	3.5 lbs (1.6 kg)	
Included accessories	PTZ-WMB1 wall mount bracket	

NC-12×80





NC-20×60





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