QSC®

Q-SYS NC-110
Q-SYS NC-12x80
Q-SYS NC-20x60

KEY FEATURES

- NC-110: fixed-lens, electronic pan, tilt, zoom (ePTZ) with 110° horizontal field of view

- NC-12x80: 12x optical zoom, 80° horizontal field of view

- NC-20x60: 20x optical zoom, 60° horizontal field of view

- Professional quality video conferencing for the Q-SYS AV-to-USB bridging solution

- 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 web conferencing platforms

- Distribute video via the Q-LAN network anywhere it is needed

- Simultaneously stream IP feeds and HDMI or SDI (PTZ models only)

- User-configurable resolution and quality for IP streams (up to 1080p), providing greater flexibility for a wide variety of use cases

- Comprehensive management via Q-SYS Designer Software and Q-SYS Reflect Enterprise Manager

- 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

- Power over Ethernet

- Local 12 V connection for PTZ models (power supply not included)

- PTZ models include PTZ-WMB1 wall mount bracket for simple installation; ePTZ model has built-in mounting hardware

- Includes lens cover for privacy (NC-110 only)

Q-SYS NC Series Cameras

Network cameras for collaboration

The Q-SYS NC Series conference cameras deliver high-quality video feeds natively to the Q-SYS Platform. With three models to choose from, these network cameras offer a simple and scalable video solution for any size meeting space.

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

BENEFITS

Rightsized camera options: Choose the right camera for your room. The Q-SYS NC-110 EPTZ camera drives the Q-SYS AV bridging solution into smaller, wider or more value-engineered room types and applications, while the Q-SYS NC-12x80 and Q-SYS NC-20x60 deliver professional PTZ functionality and presets, enabling larger and/or reconfigurable room layouts.

Network transport, USB delivery: NC Series solves the cable length limitations of traditional cameras solutions by enlisting a single network cable for video, power and control data transport into Q-SYS, and then employs USB technology to deliver the video to its intended PC/compute device. This greatly simplifies system design and deployment by eliminating the need for costly, unreliable USB cabling. Furthermore, NC Series goes beyond the traditional 1-to-1 limitation found in most USB cameras by allowing for a "many-to-any" scenario that allows users to integrate as many NC Series cameras as needed in their Q-SYS system design

and take advantage of network-based realtime camera switching

Multiple camera support for UC platforms: Q-SYS uses the power of the network (rather than dedicated switching hardware) to allow you to add as many NC Series cameras to your system as you desire and do live switching between the cameras, all while delivering a singular UVC/UAC stream to your application of choice

Universal Compatibility: The feeds from NC Series cameras, along with Q-SYS room audio, can be delivered to the conferencing application of your choice. With this functionality, Q-SYS can scale the meeting experience for Zoom, Microsoft Teams, Google Meet, Cisco Webex and more into rooms of any size or configuration to ensure a great experience parity for both in-room and remote meeting participants.

Designed for Q-SYS: NC Series collaboration cameras are native to Q-SYS, a cloud-manageable audio, video and control **platform**, built to deliver scalable, flexible AV solutions into the future. At its foundation, the **Q-SYS OS** serves as the software foundation that manages your NC Series cameras along with a multitude of other native **Q-SYS Products** in the platform. Additionally, its modern IT architecture and development tools of the **Q-SYS Platform** enables an entire **Ecosystem** of third-party devices developed by approved Q-SYS Partners, as well as a worldwide community of Q-SYS developers.

Q-SYS NC Series Conference Cameras

	NC-12x80	NC-20x60	NC-110
System Details			
Description	Network PTZ conference camera		Network EPTZ conference camera
Image sensor	1/2.8" low-noise CMOS	1/1.8" low-noise CMOS	1/2.8" 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	Fixed focus Lens 8x max zoom, 2x lossless f=1.86 mm Supports EPTZ
System scanning mode	Progressive		
Signal-to-noise ratio	≥ 55 dB		
Horizontal rotation range	± 170°		Supports EPTZ
Vertical rotation range	-30° to +90°		Supports EPTZ
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: **YUY2** (360p max resolution on USB 2.0, 1080p30 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 (YCbCr 4:2:2 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		No HDMI output
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		No SDI output
Power			
DC power input	12 V (±20%), 12 W, JEITA connector		N/A
Power over Ethernet (PoE)	PoE Type 1, Class 3		PoE Type 1, Class 2
Power consumption	12.95 W max		6.4 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 x 5.6 x 6.5 in (169 x 142 x 164 mm)		7.6 x 2.2 x 3.8 in (194.5 x 54.7 x 95.7 mm), with bracket
Net weight	3.5 lbs (1.6 kg)		0.9 lbs (0.4 kg), with bracket

NC-110

NC-12x80

NC-20x60