NCC700

1.3MP Cube Network Camera

1/4" sensor, multiple streaming, full frame rate, digital day/night, intelligent detections, local storage

The NCC700 Cube Network Camera is a smart, compact solution, fit for homes, small businesses, offices or restaurants. The camera brings superior image quality, featuring 1.3-megapixel resolution at full frame rate provided in multiple streaming in H.264 and M-JPEG compression. Function-wise, the camera offers comprehensive monitoring capabilities with digital day/night, intelligent video and event management, and local storage. It is also very easy to install and duly supports plug-and-play when connected and used with the MESSOA Lite NVR Solution, perfect for users who are new to the technology but want to take a leap forward from analog.

H.264/MJPEG Multi-profile Streaming

The camera supports multi-profile streaming in H.264 and Motion JPEG compression. H.264 enables optimization for bandwidth and storage efficiency by maximizing compression while maintaining image quality.

Local Storage

The camera comes with a microSD/SDHC card slot for local storage/backup up to 32 GB. It provides uninterupted recording and data loss prevention should the network go down.

Intelligent Video Management

The camera features motion detection, event management and smart encoding, allowing event/region-specific monitoring that help users stay informed when an event takes place, while reducing network and storage loads as only relevant video streams will be recorded.

NVR Solution Ready

The camera supports plug-and-play when joined with the MESSOA Lite NVR Solution, making installation hassle-free. Ideal for users who are new to IP technology but want to take a leap forward from analog.

2-Way Audio

The camera provides two-way audio support with a built-in microphone, allowing listening in on the monitored scene, as well as direct verbal communication with individuals at the scene from a remote location.

Specifications

Video

Sensor Type	1/4" image sensor
Active Pixels	1280 x 1024 (HxV)
Compression	H.264 /Motion JPEG
Streaming	Simultaneously multi-profile streaming
Resolution	SXGA, VGA, QVGA, 160x120 (1.3 Mega Mode); 720P, 640x360, 160x90 (720p Mode)
Max. Frame Rate	1.3MP (1280x1024) at 30 fps (NTSC/PAL)
Day/Night	Digital D/N Control
Day/Night Mode	Night Mode / Day Mode / Auto / Schedule
Shutter Time	Range from 1/120s to 1/5s Selectable (60Hz); Range from 1/100s to 1/4s Selectable (50Hz)
Minimum Illumination	1.6 Lux @50IRE (Shutter speed: 1/15 sec)
Bit Rate Control	Multi-profile bit rate control: CBR/ VBR/ ECBR/ EVBR

Lens

Type, Focal Length, F-number	Built-in Fixed lens, f=4.3 mm, F1.8(Megapixel lens)
View Angle	H: 50°/ V: 38° (1.3MP Mode) H: 50°/V: 26° (720p Mode)

Audio

Audio Communication	Simplex or Full duplex (2-way audio) Selectable
Compression	RTSP: G.711 64kbps, G.726 32kbps Selectable 3GPP: AMR
Audio In/Out	Built-in microphone

Image Enhancement

Image Settings	AWB, AES Exposure Mode: Auto/ Hold/Manual; White Balance: Auto/ Hold; Exposure Value, Sharpness, Color, Brightness, Contrast: 101 level sensitivity 3D Noise Reduction (De-Noise): Off/ On
Privacy Zone	Yes; customized threshold privacy zone (up to 8)
Image Orientation	Mirror, Flip
Frequency Control	50Hz, 60Hz
Date & Time Stamp	Yes
Test Overlay	Yes

Intelligent Video & Event Management

Motion Detection	Up to 10 customized threshold detection windows with included or excluded options, 101 detected object size or level sensitivity
Smart Encoding	Up to 2 Configurable ROI for better picture quality and bandwidth efficiency
Others	Snapshot, e-PTZ, Optimized i-frame setting, Video Buffer
Events	Motion detection
Event Actions	File upload via FTP, SMTP, SAMBA(NAS) and SD Card; Notification via voice alert, email, HTTP and TCP; Video and audio recording to SD Card or SAMBA
Store Category	Motion / Schedule Stores video clips and snapshots

Local Storage*

Memory Card Slot	Micro SD / Micro SDHC Card up to 32 GB
Memory Card Overwrite	Yes

Network

Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, RTCP, ICMP, UPnP, IPv6, HTTPS, DDNS, DIPS, ARP, Bonjour, IGMP, PPPoE, 3GPP, SAMBA
Ethernet	10/100Mbps; 10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
ONVIF	YES
Browser	IE Browser 6.0 or above
Security	Two-level access with password protection; IP address filtering; HTTPS encrypted data transmission

I/O & Controls

Power	DC Jack (2.0mm)
Network	RJ-45 with network LED x2 (Green & Orange)
Audio In/Out	3.5mm Phone Jack 1 out
Reset	More than 5 sec for loading default

Power

Power Requirement	DC 12V ± 10%
Power Consumption (Max.)	3W

Mechanical

Dimensions(WxDxH)	52.6 x 35 x 74.5mm (2.07" x 1.38" x 2.93")
Weight	70g (Without Bracket)

Environmental

Operating Temperature	0ºC ~ 40ºC (32ºF ~ 104ºF)
Operating Humidity	20~ 80% RH
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)

Regulatory

Approvals	CE, FCC, RoHS

Order Information

Model No.	(MESSOA Brand) NTSC: NCC700-HN1-US-MES; PAL: NCC700-HP1-EU-MES (Non-Brand) NTSC: NCC700-HN1-US; PAL: NCC700-HP1-EU
Accessories	Wall mount/Ceiling mount with free pack-in bracket; 12V/1A External power adapter

*
1. Memory card not included.
2. No memory card clot & local storage function for Argentina and Ecuador

Dimensions

53mm (2.09") 35mm (1.38") 75mm (2.95") 25mm (0.98") 35mm (1.38")