



SmartBridge™

REMOTE ACCESS

PoE HD VIDEO SECURITY SYSTEM

DESCRIPTION

16 CHANNEL NVR KIT:

- 1 High Definition PoE IP NVR with 4TB HDD
- 1 3MP PoE HD IP , 360 Panoramic View, Virtual PTZ Camera
- 4 2MP PoE HD IP Color Cameras



16 CHANNELS AVAILABLE



HIGH DEFINITION
PoE HD NVR



RECORDING
FLEXIBILITY



MOBILE PHONE/
WEB READY



DVR OPTIMIZED
SATA HDD



POWER OVER
ETHERNET



5 MINUTE
SETUP

PRODUCT SPECIFICATIONS

NETWORK VIDEO RECORDER



NVR1640-360H

Operating Power
Power Consumption

Operating Temp

Dimensions

Weight

Working Humidity

Remote Control

Mouse

Multi-view Mode

Simultaneous Operations

Compression Format

Video Format

Video In

Video Out

Video Bitrate

Audio Input

Audio Output

Audio Bitrate

CVBS Output Supported

VGA Output Supported

HDMI Output Supported

Recording Resolution

Recording Frame Rate

Recording Modes

Stream Type

Synchronous playback

Playback Resolution

DVR Storage Capacity

HDD Interface/Memory Type

USB Port

LAN Port

Network Interface

Serial Interface

PTZ Camera Connection

Alarm/Sensor Connection

Remote Access

120V AC 60Hz, 6.3A

<40W without HDD/Average HDD during Read/Write 6W, 2A max on startup typical

PoE: 12VDC @ 1A x 16 Max

14 °F to 131 °F (-10 °C to 55°C)

2.9"H x 17.3"W x 16.1"D

11.9 lbs. (5.4 Kg) with HDD

10% to 90%

Included

USB 2.0 Included

16 Channel: 1/4/8/16

Record, playback, mobile phone live view, backup, control, & remote access

H.264 Video/G711u Audio

NTSC (default) & PAL

IP 16-Channel

1 HDMI & 1 VGA & 1 CVBS

32Kbps – 6Mbps

1-ch, BNC (2.0 Vp-p, 1kΩ)

2-ch, BNC (Linear, 600Ω)

80Mbps

704 x 480 (NTSC)

1920 x 1080P /1600 x 1200 /1280 x 1024 /1280 x 720 /1024 x 768

1920 x 1080P /1600 x 1200 /1280 x 1024 /1280 x 720 /1024 x 768

5MP/3MP/1080P/UXGA/720P/VGA//4CIF/DCIF/CIF/QVGA/QCIF

NTSC: 1-30 fps

Manual/Schedule/Motion/Alarm

Dual stream. Video, Video & Audio

16 Channel

5MP/3MP/1080P/UXGA/720P/VGA//4CIF/DCIF/CIF/QVGA/QCIF

4TB included

4 SATA Interfaces for 4 HDD's; up to 4TB each, 1eSATA

Two. 1 front & 1 back panel

One; 10Mbps/100Mbps/1000Mbps Self-Adaptive Ethernet Interface

1 RJ-45 10 / 100 / 1000 Mbps self-adaptive Ethernet interface 16

independent 100 Mbps PoE network interfaces

1 RS-232 interface (for parameters configuration, maintenance,

transparent channel); 1 RS-485 interface (reserved); 1 RS-485 keyboard

interface (for special keyboard control)

RS485, See manual for formats

16 Inputs/4 output

Yes



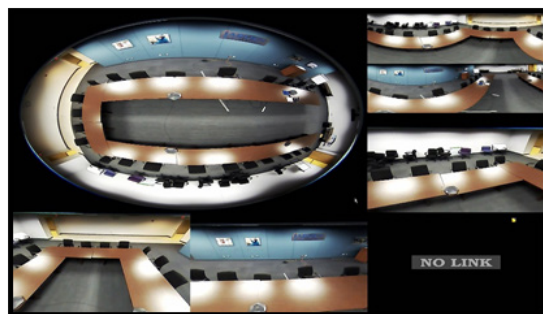
4TB HDD for plenty of data storage



CAMERAS

CM360MP3-H

Power Supply/Consumption	DC 12V/Max 7W , PoE (802.3af)
Operating Temp	-22°F to +140°F (-30°C to +60°C)
Humidity	95% or less (Non-condensing)
Dimensions (Camera & Stand)	6.6" Dia. (166.7mm) x 1.8" H (44.5mm)
Weight	1.38 lbs. (624g)
Color:	White
Communication Interface	1 RJ45 10M/100M Ethernet
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, BONJOUR
Security	User Authentication, Watermark
Standard	ONVIF, PSIA, CGI, ISAPI
Image Sensor	1/3" Progressive Scan CMOS
IR Cut Filter	Automatic
Lens	1.19mm, F2.0
View Angle	360°
Max Resolution	NTSC - 1536 x 1536
Indoor/Outdoor	Both
Weather Resistant Rating	IP66
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Dual Stream	Yes
Multi-Channel Mode	1 x fisheye (1536 x 1536, 20fps), 1 x panoramic (1600 x 1200, 20fps), 3 x PTZ (800 x 600, 20fps). Yes, Up To 4 Configurable Areas per each of 5 multi-channel mode
Privacy Mask	Auto
Backlight Compensation	0.07 LUX @ (F1.2, AGC ON), 0 LUX with IR on
Minimum Illuminance	30FPS
Video Frame Rate	32 KBPS – 16 MBPS
Video Bit Rate	G.711/G.726
Audio Codec	H.264/MJPEG
Video Compression	1/30 - 1/100,000 second
Shutter Speed	Yes
Audio	Yes
Color	Yes
Storage	Supports up to 64GB Micro SD/SDHC card
Night Vision	
Number of infrared LED's	3
Distance	49 ft (15m)



One camera provides 5 views

Indoor/Outdoor



Automatic Night Vision

CM1080P-H

Power Supply/Consumption	DC 12V/Max 7W , PoE (802.3af)
Operating Temp	-22°F to +140°F (-30°C to +60°C)
Humidity	95% or less (Non-condensing)
Dimensions (Camera & Stand)	2.3" (58.4mm) x 2.3" (58.4mm) x 6.5" (165.1mm)
Weight	0.94 lbs. (426g)
Color:	White
Communication Interface	1 RJ45 10M/100M Ethernet
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, BONJOUR
Security	User Authentication, Watermark
Standard	ONVIF, PSIA, CGI, ISAPI
Image Sensor	1/3" Progressive Scan CMOS
IR Cut Filter	Automatic
Lens	4mm
View Angle	79°
Number of Effective Pixels	NTSC - 1920 x 1080
Indoor/Outdoor	Both



PRODUCT SPECIFICATIONS Continued

Weather Resistant Rating	IP66
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Dual Stream	Yes
Image Settings	Rotate mode, saturation, brightness, contrast adjustable by client software of web browser.
Privacy Mask	Yes, Up To 4 Configurable Areas
Backlight Compensation	Auto
Minimum Illuminance	0.07 LUX @ (F1.2, AGC ON), 0 LUX with IR on
Video Frame Rate	30FPS
Video Bit Rate	32 KBPS – 8 MBPS
Video Compression	H.264/MJPEG
Shutter Speed	1/30 - 1/100,000 second
Audio	No
Color	Yes
Night Vision	
Number of infrared LED's	30
Distance	98 ft (30m)



Automatic Night Vision

CONTENTS

- 1 4TB Web-Ready PoE IP 16 Channel NVR (NVR1640-360H)
- 1 3MP PoE HD IP 360 PTZ Camera (CM360MP3-H)
- 4 2MP PoE HD IP (CM1080P-H)
- 1 Power Supply Cord
- 1 Remote Control
- 1 USB Mouse
- 1 HDMI cable
- 1 RJ45 Ethernet Cable
- 3 Additional SATA Cables
- 5 100' Cat5e Power Cables
- 1 Quick Start Guide
- 1 Installation CD
- 3 Window Warning Decals
- 1 DVR Mounting Hardware Kit

SHIPPING SPECIFICATIONS

Individual Carton

Dimensions	20.59"L x 13.39"W x 20.55"H
Weight	33.1 lbs.
Cube	3.3 ft3
UPC	0 29054 01504 4

Master Carton

Dimensions	21.65"L x 14.37"W x 21.73"H
Master Pack	1
Weight	35.3 lbs.
Cube	3.9 ft3
I2of5	100 29054 01504 1

Pallet Information

Cases per layer	5
Number of Layers	2
Cases per Pallet	10
Units per Pallet	10
Cube	43.7 ft3
Weight	418 lbs.