



# '4KN16-16POE-2A' Series

## 16 CHANNEL NETWORK VIDEO RECORDER

### 16 BUILT-IN PoE PORTS PLUG-N-PLAY

## FEATURES

- **HIGH DEFINITION** - RECORDS UP TO 12 MEGAPIXEL PER CHANNEL
- **NETWORKABLE** - VIEW CAMERAS LOCALLY, OVER WI-FI OR OFF-SITE USING A PC OR SMART PHONE
- **PTZ CONTROL** - CONTROL PAN TILT ZOOM AND MOTORIZED LENS FROM NVR, PHONE OR PC
- **LICENSE FREE SOFTWARE** - OUR RECORDER HAS NO PER CHANNEL LICENSE FEE OR FUTURE FEES
- **REMOTE BACK-UP** - SCHEDULE AN AUTOMATIC BACK-UP OR A MANUAL BACK OF CAMERAS
- **FREE CLOUD STORE** - SAVE EVENTS IN THE CLOUD USING DROPBOX, GOOGLE DRIVE OR ONEDRIVE
- **CUSTOM RECORD** - CONFIGURE EACH CHANNELS RESOLUTION, FRAME RATE AND BIT RATE
- **AUDIO** - TWO-WAY AUDIO, UP TO 16 CHANNELS OF AUDIO, CAMERAS WITH MIC OR AUDIO INPUT
- **COMPRESSION** - H.265+, H.265, H.264+ TO INCREASE THE NUMBER OF DAYS THE DVR RECORDS
- **WATERMARK** - HIDDEN WATERMARK ON ALL RECORDED VIDEO FOR VIDEO VERIFICATION
- **4K ULTRA HD OUTPUT** - 4K ULTRA HD HDMI OUTPUT FOR CRYSTAL CLEAR IMAGES
- **SPOT MONITOR** - VGA SPOT MONITOR, SET CAMERAS OR AUTO CYCLE CAMERAS ON 2<sup>ND</sup> SCREEN
- **SMART PHONE & TABLET** - FREE APPS FOR REMOTE VIEW AT THE APPLE AND ANDROID MARKETS
- **DETECTION SETTINGS** - ADJUSTABLE MOTION, VIDEO TAMPERING AND VIDEO DETECTION
- **BASIC ANALYTICS** - LINE CROSSING AND AREA DETECTION FOR MORE ACCURATE RECORDING
- **ADVANCED ANALYTICS** - WHEN MATCHED WITH CAMERA, TEN MORE FEATURES INCLUDING - FACIAL, VEHICLE, REGION ENTRANCE, REGION EXIT, UNATTENDED BAGGAGE, OBJECT REMOVAL, AUDIO EXCEPTION DETECTION. SUDDEN SCENE CHANGE AND PIR ALARM
- **EMAIL/TEXT ALERTS** - CUSTOMIZE SETTINGS TO SEND EMAILS/TEXTS ALERTS ON EVENTS
- **CMS SOFTWARE** - FREE SOFTWARE THAT ALLOWS MULTIPLE RECORDERS TO BE VIEWED AT ONCE
- **ZOOMING IN** - ZOOM LIVE VIEW OR PLAYBACK WITH MOUSE TOGGLE
- **RECORDING SCHEDULE** - CUSTOM PER CHANNEL RECORDING-24/7, MOTION OR BOTH ADJUSTABLE BY TIME AND DAY OF THE WEEK
- **SMART SEARCH PLAYBACK** - SEARCH BY AREA, EVENT AND ANALYTICS FOR VIDEO RETRIEVAL
- **USERS** - CREATE MULTIPLE USERS AND WITH CUSTOM PRIVILEGES FOR EACH USER
- **OFF-SITE CONTROL** - ADJUST SETTINGS REMOTELY FROM A PC OR FREE CMS SOFTWARE
- **BUILT-IN PoE** - PLUG-N-PLAY, POWER AND AUTO CONNECT CAMERAS WITHIN 330FT FROM RECORDER OVER CAT5E OR CAT6 WITH RJ45 ENDS

# 4K ULTRA HD NETWORK VIDEO RECORDER

4KN16-16POE-2A



## Features

- Ultra HD 4K HDMI Output
- 16 IP Channels of Recording
- Up to 12 Megapixels per channel
- Independent 1080p VGA Output
- Up to 12 Megapixel Recording
- 160 Mbps Output
- H.265/H.264+ Compression
  - H.264+ / 50%-70% Hard Drive Savings
- 1TB ~ 16 Terabytes of Storage
- No Per Channel Licensing Fees
- Free iPhone App / Free Android App
- Free CMS Windows Software
- Free CMS MAC Remote Software
- ONVIF Compliant for 3<sup>rd</sup> Party Camera Compatibility
- Two-Way Audio
- Email / Text Notifications
- Smart Search Playback
- Line Crossing / Area Detection

## Real Panel



1. LAN Network
2. RS-485
3. 100~240VAC Power Input
4. Power Switch
5. USB 3.0
6. Ground
7. HDMI Output
8. VGA Output
9. Audio In
10. Audio Out
11. 16 PoE Ports

Part Number	4KN16-16POE-2A
IP Inputs	1~16ch IP Channels
Recording Resolution	1 Megapixel up to 12 Megapixel (Max of 4-12 Megapixel Cameras)
Bandwidth	160 Mbps Incoming, 160 Mbps Outgoing
Output (HDMI)	Ultra HD 4K HDMI - 3840 x 2160
Output (VGA)	VGA - 1920 x 1080
Audio	1ch RCA In / 1ch RCA Out
Two Way Audio	1ch RCA (2.0Vp-p)
Playback Resolution	2ch @ 4K / 8ch @ 1080p / 16ch @ 720p
Sync Playback	16ch
SATA	2 SATA Slots
Drive Capacity	1TB up to 12TB
Alarm	4 Inputs / 1 Output
Network	1RJ-45 10 / 100 / 1000 Mbps Self Adaptive Ethernet Interface
PoE Interface	16 Independent 10/100 Mbps Ethernet Interfaces
Serial	1 x RS485 Half Duplex
USB	1 x USB 2.0, 1 x USB 3.0 (Back)
Power Supply	100~240VAC, 47~63Hz, 3A
Consumption	Less than 15W (without HDD)
Working Temp	-10 C ~ 55 C (14F ~ 131F)
Humidity	10% ~90%
Chassis	15" Rack Mountable 1U
Dimensions	15.5" 11.4" x 1.8"
Weight	6.4 lbs without HDD

