

# IP Video Surveillance Systems 160 Channel H.265 4K Resolution NVR

CT 6080016 CDKH

## Introduction

CAMETRON Network Video recorders are the perfect choice for security professionals owing to stability, reliability, easy installation and highest level of protection. These NVR's support the Cametron series of network cameras & all the major brands of IP CCTV cameras & the proprietary protocol.

CAMETRON NVR's make it very easy to manage, access and control the associated IP CCTV systems with state of art features like search of videos based on time & date, System integration with access controls, fire alarm systems, electronic article surveillance

The series supports JBOD, RAID "0, 1, 5, 10", with each raid supports upto 100Mbps, with the feature of RAID HDD backup disk. It supports automatic rebuilding as well as manual support, & one key configuration and the redundant recording at 200Mbps.

The video content analysis features makes the device series versatile tool for the perimeter & tripwire thereby ensuring the highest level of security



## SALIENT FEATURES

- H.265 Video codec
- Input 160 Ch 4K, 3~6 MP, 1080P, 720P, 4CIF
- Display 64 Ch Sub-stream D1
- Playback 4ch 4K,6MP, 32ch 720P, 64ch 4CIF
- JBOD, RAID 0, 1, 5, 10
- 4K Recording resolution
- Video Output HDMI x 2, VGA x 2, 4K any source
- Hard disk SATA x 16 ( 6 TB each = 96 TB total )
- Hard disk Quota & group management
- 160Ch Intelligent Video Analysis
- USB x 2, RJ 45 (10M/100M)
- Compatible with Observer VMS
- Smartphone Applications SmartCam
- USB x 3, RJ 45 (10M/100M)
- CTSERVER™ VMS ( free till 200 Channels )
- CTSERVER™ PRO VMS ( 1000 Channels )



CAMETRON NVR comes with the bundle software package CTSERVER™ for live viewing of 100 IP CCTV cameras on a single screen. and with the feature of connection upto 200 channels. The software free version CTSERVER basic supports the playback unto nine channels, with all universal controls like PTZ, Alarm controls, nested maps using BMP & JPEG images, video walls.

CTSERVER™ VMS supports unto 100 split screens with switch mode features based on cameras, groups, channels, manual etc.

The unit comes with the featured support for SAN & video search unto three index levels based on storage location, recording host, group name, channel name & file type. The CTSERVER™ software supports the device detection status & intelligent video analytics like tripwire etc.



# IP Video Surveillance Systems

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### SPECIFICATIONS

#### VIDEO / AUDIO (input)

Input 160 ch  
Audio 1, Aux 3.5mm

#### VIDEO / AUDIO (output)

HDMI Output 2 ch  
Resolution 3840 × 2160, 2560 × 1600, 1920 × 1080, 1280 × 720, 800 × 600, 1024 × 768, 1366 × 768, 1440 × 900, 1280 × 800

VGA Output 1 ch  
Resolution 1920 × 1080, 1280 × 720, 800 × 600, 1024 × 768, 1366 × 768, 1440 × 900, 1280 × 800

Mode Self adaptive resolution & adjustable output

Frame Rate Mainstream PAL 25fps / NTSC 30fps  
Substream PAL 25fps / NTSC 30fps

I-frame record Available  
Recording Resolution 4K/6MP/5MP/4MP/QSXGA/3MP/1080P/  
UXGA/ 720P/ VGA/ 4CIF/DCIF /2CIF/  
CIF/QCIF

Playback (Sync) 4ch 3MP, 6ch 1080P,  
12ch 720P, 16ch 4CIF  
Audio 1 (RCA Linear 1kΩ)

#### STORAGE

Hard disk (Hot Swap) SATA x 16 ( 6 TB each, 96 TB total )  
File system NTFS  
Management HDD Group, Quota, record days  
costumization  
e SATA for backup only

#### INTELLIGENT

NAS Yes  
Protocol for NAS NFS supports manual backup only  
Plug & Play Yes for CAMETRON series  
Corridor Mode Yes (16:9 ~ 9:16) only for CAMETRON  
IP CCTV Camera series

Video Analytics(VCA) 160 Ch Cametron IP CCTV camera for  
selected Models

VCA Process Tripwire, Perimeter  
Smart Search VCA videos, all cametron cameras  
Trigger Recording Manual, timing, motion detection,  
port alarm, VCA alarm,  
video occlusion

Smart Recording Set recording bit rate for different  
time

Alarm Recording Pre alarm default 10s(5/10/15/60s  
Optional) ,  
Post alarm default 10s(0/15/30/60/  
600s optional)

#### COMPLIANCE & CERTIFICATIONS

CE Yes  
FCC Yes  
RoHS Yes  
Onvif Yes ( S, G)

free version VMS \*  
paid version #

Ctserver is the trademark associated with the Cametron for softwares & related applications  
specifications subject to change without prior notice\*\*

#### NETWORK

Bandwidth (in/out) 400 Mbps / 200 Mbps  
Remote users 32 Users unto 160ch videos at once  
Browser IE8, IE9, IE10, IE11, Chrome 30, Firefox 24  
Mobile software P2P & DDNS for Smartphones  
Internet Protocol TCP, UDP, http, Multicast, UPnP, DHCP,  
DDNS, NFS, NTP, https, RTSP, SADP

Email active on alarm  
Intelligent Bandwidth display, Flow monitor,  
Capture package

#### INTERFACE

Network 2 x RJ-45 10/100/1000Mbps  
Self-adaptive Ethernet Interfaces  
USB Interface 2 x USB2.0, 1 x USB 3.0  
Alarm In 16  
Alarm Out 4

#### DECODING

Live view 4K, 6MP, 5MP, 4MP, 3MP, 1080P, UXGA,  
720P, VGA, 4CIF,DCIF, 2CIF, CIF, QCIF  
Display 4K, 6MP, 5MP, 4MP, 3MP, 1080P, UXGA,  
720P, VGA, 4CIF,DCIF, 2CIF, CIF, QCIF  
Sync playback 4ch (4K, 6MP) 5ch 5MP, 8ch 4MP, 9ch 3MP  
16ch 1080P, 32 ch 720P, 64ch 4CIF

Split screen 1, 4, 6, 8, 9, 10, 16, 20, 25, 36, 40, 64  
e-Zoom Yes

#### RAID

Mode JBOD, RAID 0, RAID 1, RAID 5, RAID 10  
@100Mbps input per RAID group  
Backup Overall & RAID hot Disk  
Management One key configuration, Manual, Auto  
Redundancy Redundant recording at 200Mbps

#### GENERAL

Language English, Spanish, Korean, Italian, Turkish,  
French, Thai, Russian, Polish  
Power supply 100 ~ 240V AC, 6.3A, 50 ~ 60 Hz  
Power consumption ≤ 100W without HDD  
Temperature -10 °C ~ +55 °C (+14 °F ~ + 131 °F)  
Humidity 10 % ~ 90 %  
Chasis 19" Rack Mount 3U Chassis  
Dimensions(mm) 142.8 x 436.6 x 487.2 mm  
Weight Without HDD 12 Kg  
Gross 15 Kg

#### VMS

Ctserver 32 32 Channel VMS \*  
Ctserver 64 64 Channel VMS \*  
Ctserver 128 128 Channel VMS \*  
Ctserver E 256 Channel VMS #  
Ctserver P 256+ Channels #  
Ctserver™ VMS 200 Channels #  
Ctserver™ PRO VMS 1000 Channels #



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ACCESSORIES, SOFTWARES & AFFILIATIONS

## SOFTWARES

Ctserver 32	32 Channel VMS basic Software Package
Ctserver 64	64 Channel VMS basic Software Package
Ctserver 128	128 Channel VMS basic Software Package
Ctserver E	256 Channel VMS entry Software Package
Ctserver P	256+ Channels VMS professional Software Package



## COMPLIANCE



## AFFILIATION



## Ordering Information

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160 Channel NVR, H.265 Codec, 16 SATA HDD, 2 Audio, RAID

### Registered Office

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