Network Video Recorder

KNR-43128-00P-I16
128 Channel H.265 3U
4K Intelligent Industrial
Network Video Recorder

Onvif

DESCRIPTION

New Ultrakpa Intelligent redundant full range of industrial professional 3U network video recorders with smart features, adaptive decoding, redundant array of independant disks (RAID 0, 1, 5, 6 and 10) ensuring reliability, stability and offering unparalleled performance tailored for high end purposes.

KNR-43128-00P-I16 is efficient 4K Intelligent 128 channel with industrial embedded micro-processor with an enourmous storage capacity of 16 HDDs up to 10TB each and HDMI/ VGA simultaneous video output, in addition to face detection, ANPR, smart motion detection, recording clusters all coming in industry standard 19'' rack mountable network video recorder supporting smart H.264+ and smart H.265+ video compressions, handling up to 12MP videos and 384 Mbps bandwidth.

KNR-43128-00P-I16 guarantees open architecture design to be compatible with various third-party ONVIF compliant devices.

MAIN APPLICATIONS

- Optimum recording solution with enourmous storage capacity and 4K video resolution for high-end surveillance applications providing safe working, living and entertaining environments.

- Professional sophisticated business, residential compounds, resorts and facilities with ANPR, face recognition and intelligent analysis.

MAIN FEATURES

- **12MP Preview and Playback Resolution**
- **Industrial Embedded Micro- Processor**
- **Smart H.265+, H.264+ Compressions**
- **Supports 16HDDs, up to 10TB Each**
- **Up to 384Mbps Input Bandwidth**
- **Supports ANPR**
- **Face Recognition**
- **Intelligent Analysis**

- **Smart Search**
- **Audio & Alarm Support**
- **HDMI/ VGA Simultaneous Video Output**
- **Supports RAID Storage**
- **Recording Clusters**
- **Rack Mountable**
- **ONVIF Compliant**

R&D is constantly improving our products therefore specifications, features and appearance are subjected to change without notice

KNR-43128-00P-I16 128 Channel H.265 3U 4K Intelligent Industrial Network Video Recorder

TECHNICAL SPECIFICATIONS

SYSTEM

Main Processor	Industrial Embedded Micro-Processor
Operating System	Embedded LINUX
IP Camera Input	128 Channels
Recording Clusters	Available

NETWORK & INTERFACE

Network	6 Ports (2 Optical Ports (1000Mbps) + 4 RJ-45 Adaptive Ports (10/100/1000Mbps))
Protocol	IPv4,IPv6,HTTP,HTTPS,TCP/IP,UDP,NTP,DNS, IP Filter, SNMP,UPnP, FTP,SMTP,PPPOE,DDNS
Browser	IE, Chrome, Firefox, Safari
Mobile Phone	IOS, Android
Compatibility	ONVIF, API
USB	4 Ports (2 USB2.0, 2 USB3.0)
RS-232	Available
RS-485	Available
Face Recognition	Available (24 Channels) Gender,Glasses,Age,Mask,Beard,Mouth,Expressions Search by Time, Channel and Facial Analysis
Smart Motion Detection	Available (32 Channels) Search by Human, Vehicle Analysis
Information Analysis	Available (12 Channels) Human Body, Vehicle and Bicycle Rider Analysis Search by Target Analysis
ANPR	Available (8 Channels)
Borders Protection	Available (24 Channels)

RECORDING & PLAYBACK

Recording Compression	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG, MPEG4
Record Rate	384 Mbps
Recording Mode	Manual, Stop, Motion Detection, Schedule,Regular, Continuous, Alarm, Intelligent
Resolution	12MP(4290 x 2800), 8MP(3840x2160), 6M(3072x2048), 5M (2560x1920), 4M(2592x1520), 3M(2048x1536), 1080p(1920x1080), 960P(1280x960), 720P(1280x720), D1(704x576/480), CIF(352x288), QCIF(176x144)
Sync Playback	1/4/9/16
Playback Function	Full screen, Digital Zoom, Play, Pause, Stop, Rewind, Fast Forward, Fast Backward, Next Camera, Previous Camera, Backup Selection, Audio

STORAGE & BACKUP

Internal HDD	16 SATA III Ports, up to 10 TB each HDD
Backup Method	USB Device / Network/ eSATA
RAID	Available (RAID 0,1,5,6,10)

ENVIRONEMENT

Storage	- 10°C to +55°C, +14F° to 131°F
Operation	0°C to +40°C, 32° to 104°F
Humidity	80%RH (non condensing) less than 95%(non condensing)
Altitude	3000 meter maximum, 10,000 feet maximum

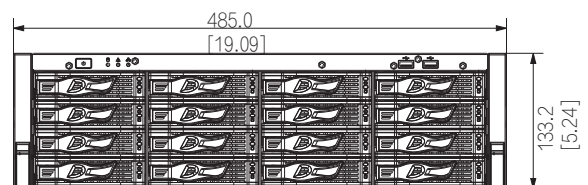### VIDEO, AUDIO & ALARM

Display Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720
Display Interface	2 HDMI, 1 VGA
Multi-Screen Display	1/4/8/9/16/25/36/64 (First Screen) 1/4/8/9/16 (Second Screen)
Decoding	16ch@1080P/30 fps
On Screen Display	Time, Camera Title and lock, Motion Detection, Recording
Audio	Two-Way Talk, 1 Input/1 Output
Audio Compression	G.726,G.729, G.722, G.723, G.711A,G.711U,PCM,MP2
Trigger Events	Recording, Screenshot, Alarm, E-mail, Log, Preset, Buzzer
Video Detection	Motion Detection, Privacy Masking, Video Loss, Alarm (Storage Problems, IP Conflict, and more)
Alarm	16 Inputs / 8 Outputs
Intelligent Alarm	Face Recognition and Detection, ANPR, Smart Motion Detection, Vehicle and Human Detection, Heat Map, People counting, Analysis Features
Serial Attached SCSI Port	1

POWER

Power Source	AC100~240V
Power Consumption	51W (Without HDD)
Weight	17.7Kg (Without HDD)

DIMENSIONS
Unit: mm

485.0 [19.09]

133.2 [5.24]

Conversion: 1" = 25.4mm
Measurement conversions are approximate

Every effort has been made to ensure that all the information in this document was correct at the time of going to press. However we are constantly striving to improve our range wherever possible and therefore reserve the right to change the specification of any product without prior notice

R&D is constantly improving our products therefore specifications, features and appearance are subjected to change without notice