

# NETWORK VIDEO RECORDER

NVR 32.3-GPT



## FEATURES

-  Supports Ultra H.265, H.265, and H.264 video formats
-  32-channel input
-  Supports mainstream ONVIF cameras (Profile S, G, T) and RTSP protocols
-  2-ch HDMI + 2-ch VGA output, HDMI up to 4K (3840x2160)
-  Independent HDMI and VGA output
-  Records at resolutions up to 16 Megapixels
-  ANR technology preserves recording reliability during network outages
-  Supports cloud upgrade

SPECIFICATIONS

| Specification             | Value                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DECODING                  |                                                                                                                                                                      |
| Decoding Format           | Ultra 265, H.265, H.264                                                                                                                                              |
| Decoding Capability       | Smart Off (H.265/H.264): 2x32MP, 4x16MP, 5x12MP, 8x4K, 10x6MP, 12x5MP, 16x4MP, 20x3MP, or 32x1080P, all @30fps. Smart On: consumes 16x1080P@30 of decoding capacity. |
| Decoding Capability Notes | Each channel's resolution cannot exceed 4096 px in length or width                                                                                                   |
| Audio Compression         | G.711A, G.711U                                                                                                                                                       |
| NETWORK                   |                                                                                                                                                                      |
| Incoming Bandwidth        | 192 Mbps                                                                                                                                                             |
| Outgoing Bandwidth        | 192 Mbps                                                                                                                                                             |
| Max Users Can Be Added    | 32                                                                                                                                                                   |
| Remote Users              | 128                                                                                                                                                                  |
| Protocols                 | TCP/IP, P2P, SMTP, NFS, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, SNMP, IPv6, IPv4, HTTPS                                                                       |
| Browser (Plugin)          | IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+                                                                                                                        |
| VIDEO/AUDIO INPUT         |                                                                                                                                                                      |
| IP Video Input            | 32-ch                                                                                                                                                                |
| RCA Audio Input           | 1-ch                                                                                                                                                                 |
| PERIPHERAL INPUT          |                                                                                                                                                                      |
| IP Speaker                | 16-ch                                                                                                                                                                |
| POS                       | All channels                                                                                                                                                         |
| VIDEO/AUDIO OUTPUT        |                                                                                                                                                                      |
| Video Output              | 2-ch HDMI, 2-ch VGA; HDMI1/VGA1 and HDMI2/VGA2 simultaneous or independent output                                                                                    |
| HDMI Output               | 4K (3840x2160)/30Hz, 1080P/60Hz, 1080P/50Hz, 720P/60Hz                                                                                                               |
| VGA Output                | 1080P/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 720P/60Hz, 1024x768/60Hz                                                                                                 |
| HDMI Standard             | HDMI 1.4                                                                                                                                                             |
| RCA Audio Output          | 2-ch                                                                                                                                                                 |

| Specification                          | Value                                                                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Liveview Display</b>                | 1/4/6/8/9/16/25/32                                                                                                                                                                                                                                  |
| <b>Default Num. of Live Screen</b>     | 32                                                                                                                                                                                                                                                  |
| <b>Corridor Mode Screen</b>            | 3/4/5/7/9/10/12/16/32                                                                                                                                                                                                                               |
| <b>Playback Screen</b>                 | 1/4/9/16                                                                                                                                                                                                                                            |
| <b>Corridor Mode Screen (Playback)</b> | 1/3                                                                                                                                                                                                                                                 |
| <b>TWO-WAY AUDIO</b>                   |                                                                                                                                                                                                                                                     |
| <b>Two-way Audio</b>                   | 1-ch, RCA (uses the audio input and output)                                                                                                                                                                                                         |
| <b>SNAPSHOT</b>                        |                                                                                                                                                                                                                                                     |
| <b>FTP/Schedule/Event Snapshot</b>     | 16-ch snapshot, max. 8MP (3840x2160) video resolution, 1080P snapshot resolution                                                                                                                                                                    |
| <b>RECORDING</b>                       |                                                                                                                                                                                                                                                     |
| <b>Recording Resolution</b>            | 32MP/16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF                                                                                                                                                                                      |
| <b>Num. of Concurrent Playback</b>     | 32-ch                                                                                                                                                                                                                                               |
| <b>Synchronous Playback (Local)</b>    | 16-ch                                                                                                                                                                                                                                               |
| <b>SMART FUNCTION</b>                  |                                                                                                                                                                                                                                                     |
| <b>Smart by IPC</b>                    | All channels, up to 16 images/sec total: Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring, People Counting                                                             |
| <b>Smart by NVR</b>                    | Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Behavior Analysis, Elevator Entrance Detection, Illegally Parked Vehicle, Evacuation Route Obstruction, People Counting (Flow + Crowd Density), Video Metadata, Plate Comparison |
| <b>Smart by NVR Analyzer Mode</b>      | Mixed Mode (SIP + Behavior Analysis + People Counting) or Mixed Mode (Face Recognition + Traffic Detection + AcuSearch/AcuTrack) — one mode active at a time                                                                                        |
| <b>VCA Search</b>                      | Face Snapshot/Comparison Search, Behavior Search, Motor/Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, SmartSearch+, AcuSearch, AcuTrack, SeekFree                                                            |
| <b>AcuSearch Performance</b>           | All channels with UNV SIP/UMD camera; up to 16-ch with 3rd-party camera (16x2MP, 8x4MP, or 4x4K)                                                                                                                                                    |
| <b>AcuTrack Performance</b>            | All channels with UNV SIP/UMD camera; up to 16-ch with 3rd-party camera (16x2MP, 8x4MP, or 4x4K)                                                                                                                                                    |
| <b>SeekFree Performance</b>            | All channels with UNV SIP/UMD camera; up to 16-ch with 3rd-party camera (16x2MP, 8x4MP, or 4x4K)                                                                                                                                                    |

| Specification                      | Value                                                                                                                                                                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SeekFree Language                  | English                                                                                                                                                                                                                                                       |
| Face Detection by NVR              | All channels with UNV Face Detection camera; up to 16-ch with 3rd-party camera (16x2MP, 8x4MP, or 4x4K)                                                                                                                                                       |
| Search by Image                    | Support                                                                                                                                                                                                                                                       |
| Plate Comparison / Vehicle Library | Up to 5 vehicle picture libraries, up to 25,000 vehicle pictures total                                                                                                                                                                                        |
| SIP by NVR (normal cameras)        | Up to 16-ch with 3rd-party camera (16x2MP, 8x4MP, or 4x4K)                                                                                                                                                                                                    |
| SIP Detection Types                | No Helmet, No Chef Hat, No Work Clothes, Smoking, Smoke & Fire, Calling, No Mask, Rat, Long Stay, Fall, Fight, Absence, Climbing, Sleep on Duty, People Counting, Mobile Phone Use, People Gathering, People Dispersion, Quick Moving, No Reflective Clothing |
| Video Metadata by NVR              | Up to 16-ch with 3rd-party camera (16x2MP, 8x4MP, or 4x4K)                                                                                                                                                                                                    |
| Video Metadata Type                | Motor Vehicle: type, color, brand, direction, plate type/color. Human Body: gender, age, mask, hairstyle, bag, direction, garment length/color. Non-Motor Vehicle: type, direction, gender, age, garment length/color                                         |
| Capacity of Snapshot Records       | 2 million records each for face snapshot, behavior analysis + SIP, and vehicle snapshot                                                                                                                                                                       |
| ALARM                              |                                                                                                                                                                                                                                                               |
| Alert Alarm                        | IP Conflict, Network Disconnected, Disk Offline/Abnormal, Illegal Access, HDD Space Low/Full, Recording/Snapshot Abnormal, Array Damaged/Degraded                                                                                                             |
| HARD DISK                          |                                                                                                                                                                                                                                                               |
| SATA                               | 2 SATA interfaces                                                                                                                                                                                                                                             |
| Capacity                           | Up to 24TB per HDD (max. varies with ambient temperature and disk size; use below 40 degC)                                                                                                                                                                    |
| Disk Group                         | Support                                                                                                                                                                                                                                                       |
| Redundant Storage                  | Support                                                                                                                                                                                                                                                       |
| EXTERNAL INTERFACE                 |                                                                                                                                                                                                                                                               |
| Network Interface                  | 2x RJ45, 10M/100M/1000M self-adaptive                                                                                                                                                                                                                         |
| Network Working Mode               | Multi-access, load balance, network fault-tolerance                                                                                                                                                                                                           |
| USB                                | Front: 1x USB 2.0. Rear: 2x USB 3.0                                                                                                                                                                                                                           |
| RS485                              | 1                                                                                                                                                                                                                                                             |
| RS232                              | 1                                                                                                                                                                                                                                                             |
| Alarm In                           | 16-ch                                                                                                                                                                                                                                                         |
| Alarm Out                          | 4-ch                                                                                                                                                                                                                                                          |

| Specification | Value       |
|---------------|-------------|
| Power Output  | 12V         |
| Buzzer        | Support     |
| Power Supply  | DC 12V / 5A |

WORKING ENVIRONMENT

|                             |                                 |
|-----------------------------|---------------------------------|
| Working Temperature         | -10 to 55 degC (14 to 131 degF) |
| Working Humidity            | <=90% RH, non-condensing        |
| Power Consumption (w/o HDD) | <=25W                           |
| Heat Dissipation            | Fan, Radiator                   |

DIMENSIONS

|                        |                                            |
|------------------------|--------------------------------------------|
| Weight (w/o HDD)       | 1.87 kg                                    |
| Height                 | 1U                                         |
| Dimensions (W x D x H) | 380 x 322.4 x 53 mm (15.0" x 12.7" x 2.1") |

CERTIFICATION

|                |                                                    |
|----------------|----------------------------------------------------|
| Certification  | CE, FCC, UL, RoHS, WEEE                            |
| CE             | EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035 |
| FCC            | Part 15 Subpart B                                  |
| NDAA Compliant | Support                                            |

GUI LANGUAGE

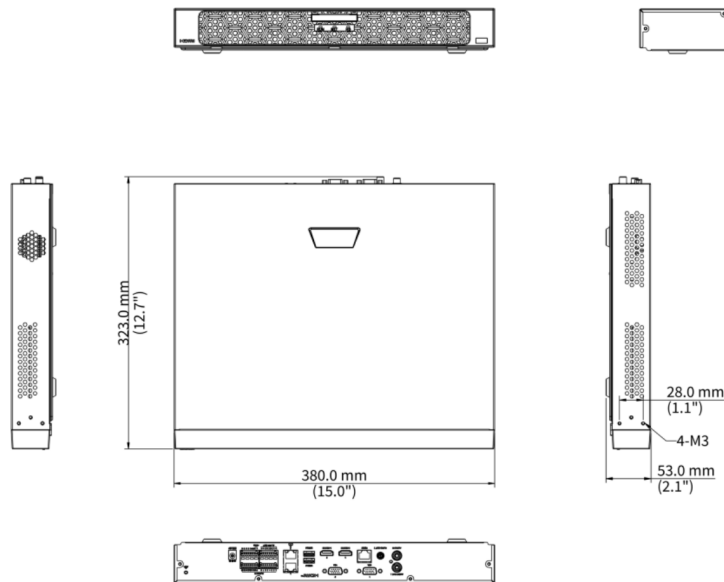
|              |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GUI Language | 38 languages, including Simplified & Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (LatAm), Portuguese (BR), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Korean, Japanese, Latvian, Lithuanian, and Persian |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

FEATURE SUPPORTED

|                  |                     |
|------------------|---------------------|
| Downlink ONVIF   | Support (Profile S) |
| Uplink ONVIF     | N/A                 |
| NAS              | Support             |
| Ucode Basic Mode | Support             |

D I M E N S I O N S

NVR 32.3-GPT dimensions: 380mm x 322.4mm x 53mm (15.0" x 12.7" x 2.1"), 1U.





The United States government passed the John S. McCain National Defense Authorization Act for the 2019 fiscal year on August 13, 2018 (NDAA 2019). This act specifies the budget, expenditures and policies of the United States Department of Defense, and prohibits the purchase and use of specific electronic security products manufactured and supplied by specific companies based in China.

We are aware of the NDAA and abide by the stipulations set forth in this regulation. Illumivue is always committed to providing products of the highest standards while ensuring compliance with project requirements.

Our goal is to continue providing only the best equipment we can. Safety and security are our top priority, and we sincerely appreciate all partners' support and patience.

## WARRANTY

All Illumivue products come with a 3-year limited liability warranty covering parts and labor repairs on components found defective in material or workmanship under normal use. This warranty does not apply to products that have been abused, modified, or disassembled, and is honored only through authorized resellers — not through non-authorized online sellers.

Products that fail under conditions outside this coverage will be repaired at the current price of parts and labor. Repairs are warranted for 90 days from the date of reshipment to the buyer. Units delivered by mail travel at the customer's risk unless insured. No unit will be accepted without a return authorization number, and proof of sale may be required to claim warranty.