



राप्ती सोनारी गाउँपालिका  
RAPTI SONARI RURAL MUNICIPALITY  
गाउँ कार्यपालिकाको कार्यालय



OFFICE OF THE RURAL MUNICIPAL EXECUTIVE



लुम्बिनी प्रदेश, नेपाल  
LUMBINI PROVINCE, NEPAL

पत्र संख्या/Ref. No.:- २०८२/०८३

च.नं./ Dispatch No.:-

श्री गाउँपालिका भित्र सूचीकृत भएका/ नभएका सप्लायर्स सवै,

विषय: दर रेट उपलब्ध सम्बन्धमा।

प्रकाशित मिति: २०८२/०५/२९

प्रस्तुत विषयका सम्बन्धमा यस कार्यालयमा तपसिल बमोजिम स्पेशीफिकेश भएका समानहरु लागत स्टिमिट तयार पार्नु परेको हुँदा स्पेशीफिकेश बमोजिमका समानहरुको दर रेट यस कार्यालयमा सूचना प्रकाशित भएको मितिले ७ (सात) दिन भित्र उपलब्ध गराईदिनुहुन अनुरोध छ।

तपसिल

NVR 8 Port System

| Intelligent Analytics          |                                                                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| AI by NVR                      | Facial recognition, perimeter protection, motion detection 2.0                                                                        |
|                                | Facial recognition, perimeter protection, video structuralization, throwing objects from                                              |
| AI by Camera                   | building, motion detection 2.0, ANPR, people counting, VCA                                                                            |
| Engine                         | 1, engine mode is adjustable                                                                                                          |
|                                | Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture s)                                            |
| Face Picture Library           | 512 KB, total capacity ≤ 1 GB) or Higher                                                                                              |
| Face Picture Comparison        | 8-ch                                                                                                                                  |
| Facial Detection and Analytics | Face picture comparison, human face capture, face picture search                                                                      |
| Performance                    | 4-ch human face capture (HD network camera, up to 8 MP, H.264/H.265)                                                                  |
| By Camera                      | All channels                                                                                                                          |
| By Camera                      | 4-ch, 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm; Up to 12 rules in total All channels |
| By Camera                      | All channels                                                                                                                          |
| Vehicle Attributes             | Plate number, license plate color, license plate type                                                                                 |
| Plate Attributes               | Vehicle brand, vehicle color, vehicle type                                                                                            |
| IP Video Input                 | 8-ch                                                                                                                                  |
| Incoming Bandwidth             | 80 Mbps or higher                                                                                                                     |
| Outgoing Bandwidth             | 256 Mbps or higher                                                                                                                    |

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|                           |                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDMI Output               | 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz or higher |
| VGA Output                | 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz or higher                                                                   |
| Video Output Mode         | HDMI/VGA independent output                                                                                                                          |
| CVBS Output               | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                              |
| Audio Output              | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                             |
| Two-Way Audio             | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                                                                           |
| Decoding Format           | H.265+/H.265/H.264+/H.26432 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                      |
| Recording Resolution      | *: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs.                                                                                          |
| Synchronous playback      | 8-ch                                                                                                                                                 |
| Live View Window Division | 1/2/4/6/8/9                                                                                                                                          |
| Aux Port Window Division  | 1/2/4/6/8/9                                                                                                                                          |
| Decoding Capability       | Enable AI by NVR: 20-ch@1080p (30 fps)<br>Disable AI by NVR: 32-ch@1080p (30 fps)                                                                    |
| Dual-Stream Recording     | Support                                                                                                                                              |
| Audio Compression         | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM                                                                                                        |
| Stream Type               | Video, Video & Audio                                                                                                                                 |
| Network Interface         | 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                           |
| Remote Connection         | 128                                                                                                                                                  |
| Network Protocol          | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS                                               |
| API                       | ONVIF (profile S/G); SDK; ISAPI                                                                                                                      |
| Compatible Browser        | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                |
| SATA                      | 2 SATA interfaces or higher                                                                                                                          |
| Capacity                  | Up to 14 TB capacity for each disk                                                                                                                   |
| Alarm In/Out              | 1-Apr                                                                                                                                                |
| USB Interface             | Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                                    |
| Power Supply              | Maximum 100 to 240 VAC, 50 to 60 Hz                                                                                                                  |
| Consumption               | ≤ 30 W (without HDD)                                                                                                                                 |

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Surveillance Monitor 22"

|                     |                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Screen Size         | 21.45 inch or Higher                                                                                                               |
| Active Display Area | 478.656 (H) mm × 260.280 (V) mm or higher                                                                                          |
| Resolution          | 1920 × 1080 or higher                                                                                                              |
| Backlight           | E-LED                                                                                                                              |
| Pixel Pitch         | 0.241 (H) mm × 0.241 (V) mm or Higher                                                                                              |
| Brightness          | 250 cd/m <sup>2</sup> Or higher                                                                                                    |
| Viewing Angle       | 178° (H)/178° (V)                                                                                                                  |
| Color Depth         | 8 bit, 16.7 M.Or higher                                                                                                            |
| Contrast Ratio      | 1000:01:00 or Higher                                                                                                               |
| Response Time       | Maximum 6.5 ms                                                                                                                     |
| Refresh Rate        | Typ 60 Hz, Max 100 Hz or higher                                                                                                    |
| Haze                | Haze 25%, 3H                                                                                                                       |
| Reliability         | 7 × 16 H                                                                                                                           |
| Color Gamut         | 72% NTSC                                                                                                                           |
| Video & Audio Input | HDMI 1.4 × 1, VGA × 1                                                                                                              |
| Power Supply        | Maximum DC 12V, 2.0A                                                                                                               |
| Power Consumption   | Maximum ≤ 24 W                                                                                                                     |
| Standby Consumption | Maximum ≤ 0.5 W                                                                                                                    |
| Packing List        | Monitor × 1, Base component × 1, Power adapter (12 V, 2.0 A) × 1, HDMI cable (1.5 m) × 1, User manual × 1, Multilingual manual × 1 |
| Working Temperature | 0 °C to 40 °C (32 °F to 104 °F)                                                                                                    |
| Working Humidity    | 20% RH to 90% RH (Non-Condensing)                                                                                                  |
| Storage Temperature | -20 °C to 60 °C (-4 °F to 140 °F)                                                                                                  |
| Storage Humidity    | 10% RH to 90% RH (Non-Condensing)                                                                                                  |
| Types               | Wall Mount                                                                                                                         |

Hard Drive Surveillance 1 TB

|                      |            |
|----------------------|------------|
| Interface            | SATA 6Gb/s |
| Recording Technology | CMR        |

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|                                           |                  |
|-------------------------------------------|------------------|
| Drive Design                              | Air              |
| Features and Performance                  |                  |
| Drive Bays Supported                      | Up to 8          |
| Cameras Supported                         | Up to 64         |
| RV Sensors                                | —                |
| Max Sustained Transfer Rate OD (MB/s)     | 180MB/s          |
| Cache (MB)                                | 256MB            |
| Reliability/Data Integrity                |                  |
| Tarnish Resistant                         | Yes              |
| Load/Unload Cycles                        | 600,000          |
| Non recoverable Read Errors Rate, Max     | 1 per 10E14      |
| Power-On Hours per year                   | 8760             |
| Workload Rate Limit (WRL) 1               | 180              |
| Mean Time Between Failures (MTBF) (hours) | 1000000hr        |
| Warranty, Limited (years) 3               | 3                |
| Power Management                          |                  |
| Startup Current, Typical (12V, A)         | 1.8A             |
| Average Operating Power (W)               | 3.7W             |
| Idle Average (W)                          | 2.5W             |
| Standby Mode/Sleep Mode, Typical (W)      | 0.25W            |
| Voltage Tolerance (5V)                    | ±5%              |
| Voltage Tolerance (12V)                   | ±10%             |
| Environmental/Temperature                 |                  |
| Operating (ambient, min °C)               | 0°C              |
| Operating (drive reported, max °C) 3      | 65               |
| Non-operating (ambient, min °C)           | -40°C            |
| Physical                                  |                  |
| Height (mm/in, max)                       | 20.20mm/0.795in  |
| Width (mm/in, max)                        | 101.6mm/4.0in    |
| Depth (mm/in, max)                        | 146.99mm/5.787in |
| Weight (g/lb, typical)                    | 415g/0.915lb     |

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Other Goods

| S.N | Goods Name                                                                                                                 | Speciation                                                                                                                                                                                                                                                      |
|-----|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | Rack 4 U                                                                                                                   | <p>U Size 4U</p> <p>Cab Depth 450mm or higher</p> <p>Cab Height 280mm or higher</p> <p>Cab Width 600mm or higher</p> <p>Fans 0 (Space for 2 fans)</p> <p>Shelves Can be added</p> <p>Cage Nuts Can be Added from Options</p> <p>Assembly Time Pre Assembled</p> |
|     | Installation                                                                                                               |                                                                                                                                                                                                                                                                 |
|     | Assories other item (miscelitions RJ45,clip,banding rubber with wire,cctv camera angle ptz, and other hook need for office |                                                                                                                                                                                                                                                                 |
|     | MICRO -SD Card                                                                                                             | 128 GB                                                                                                                                                                                                                                                          |

POE Switch

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General            | <ul style="list-style-type: none"> <li>➤ Shell Metal material, fan-free design</li> <li>➤ Operating Temperature-30 °C to 65 °C (-22 °F to 149°F)</li> <li>➤ Storage Temperature-40 °C to 85 °C (-40 °F to 185 °F)</li> <li>➤ Operating Humidity5% to 95% (no condensation)</li> <li>➤ Relative Humidity5% to 95% (no condensation)</li> <li>➤ Power Supply48VDC, 1.35A</li> <li>➤ Max. Power Consumption65 W</li> <li>➤ Power Consumption in Idle5 W</li> <li>➤ Installation Mode Desk-Mounted, Rail</li> <li>➤ Surge Protection6 KV</li> </ul> |
| Network Parameters | <ul style="list-style-type: none"> <li>➤ Ports4 x Gigabit PoE port,2 x Gigabit fiber optical port</li> <li>➤ MAC Address Table 2 K</li> <li>➤ Switching Capacity12 Gbps</li> <li>➤ Packet Forwarding Rate8,928 Mpps or higher</li> <li>➤ Internal Cache1 Mbits</li> </ul>                                                                                                                                                                                                                                                                       |
| PoE Power Supply   | <ul style="list-style-type: none"> <li>➤ PoE Standard IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt</li> <li>➤ PoE Power Pin8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                   |
| PoE Port           | <ul style="list-style-type: none"> <li>➤ Minimum Hi-PoE: Port 1</li> <li>➤ Minimum PoE: Ports 2 to 4</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| Max. Port Power  | > Port 1: 60 W<br>> Ports 2 to 4: 30 W                                                                                                                                                                                                                                                             |
| Dialing Function | > Long Range Ports 3 to 4: up to 300 m<br>> Long range performance may vary depend on camera model or cable condition.<br>> Port Isolation Ports 1 to 4: port isolation mode to improve network security.<br>> PoE Watchdog Ports 1 to 4: auto detect and restart the cameras that do not respond. |
| PoE Power Budget | > Maximum 65 W                                                                                                                                                                                                                                                                                     |
| Approval         | > EMC FCC (47 CFR Part 15, Subpart B), CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020), IC (ICES-003: Issue 7:2020), RCM (AS/NZS CISPR 32: 2015)                                                       |
| Safety           | > UL (UL 60950-1), CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition), CE-LVD (EN 62368-1: 2014+A11: 2017)                                                                                                                                                                               |
| Chemistry        | > CE-RoHS (2011/65/EU)                                                                                                                                                                                                                                                                             |
|                  | >                                                                                                                                                                                                                                                                                                  |

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