



# Laligurans Municipality

## Office of Municipal Executive

Basantapur, Terhathum

Date: 2082/04/07

### Instruction and Recommendation for CC Camera Installation with Accessories/Supported Devices.

The equipment specifications are mentioned below. The provided equipment/items should comply with or exceed the specifications listed below.

#### For Free CC Camera with Accessories/Supported Devices and Equipment.

| S.N. | Equipment/Items             | Specification Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Remarks |
|------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1.   | IP Camera 4MP<br>Color      | <ul style="list-style-type: none"><li>• Metal/Plastic Housing</li><li>• 4MP, 2688X1520 Resolution</li><li>• S+265/H.265/H.264</li><li>• Min. illumination Color: 0.02Lux@F1.6</li><li>• 2 Warm lights, 15m</li><li>• Smart IR, IR Range: 50m</li><li>• Built-in Mic</li><li>• Support tripwire and perimeter</li><li>• POE, IP67</li><li>• Warranty 1 Years</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |
| 2.   | IP Camera 4MP<br>Full Color | <ul style="list-style-type: none"><li>• 1/2.9" CMOS image sensor, low luminance, and high-definition image.</li><li>• 4 MP, 2688× 1520 Resolution</li><li>• H.265 codec, high compression rate, ultra-low bit rate.</li><li>• Built-in warm light and the illumination distance is 50 m.</li><li>• ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li><li>• Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li><li>• <b>Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).</b></li><li>• <b>Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</b></li><li>• Alarm: 2 in, 2 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in Mic.</li><li>• IP67 protection, SMD Plus.</li><li>• Warranty 1 Years</li></ul> |         |

|     |                             |                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|-----|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 3.  | Gigabit SFP                 | <ul style="list-style-type: none"> <li>• Single mode single core, 20 KM, SC Optical Port, 10/100/1000M adaptive with support for automatic inversion of MDI/MDIX.</li> <li>• Warrantee: 1 years</li> </ul>                                                                                                                                                                                                                |  |
| 4.  | PoE + SFP Switch (4+2) Port | <ul style="list-style-type: none"> <li>• 4 x 1000 Mbps PoE Ports</li> <li>• 1 x 1000 Mbps Uplink Port</li> <li>• 2 x 2500Mbps SFP Port</li> <li>• 65-Watt Power Input</li> <li>• 130 Mtr. transmission distance</li> <li>• 4 x 1000 Mbps PoE Ports, 2 x 1000Mbps SFP Port</li> <li>• Warranty 1 Years</li> </ul>                                                                                                          |  |
| 5.  | SFP Switch 6 Port           | <ul style="list-style-type: none"> <li>• 6 Port SFP</li> <li>• 3 Gigabit Ethernet (Bandwidth upto 18 Gbps)</li> <li>• SC Optical Port, AC 90V240V or PoE Power Input,</li> <li>• Total 30W Power,</li> <li>• 6KV Lightning &amp; 8KVESD Protection</li> <li>• Metal body for quickly dissipate heat</li> <li>• Warranty 1 Years</li> </ul>                                                                                |  |
| 6.  | Gigabit Ethernet Switch     | <ul style="list-style-type: none"> <li>• 8 Port Gigabit Unmanaged Desktop Switch</li> <li>• 8 x 10/100/1000 Mbps ethernet ports</li> <li>• Store-and-forward switching</li> <li>• Supports MAC address auto-learning and aging</li> <li>• Warranty 1 Years</li> </ul>                                                                                                                                                     |  |
| 7.  | NVR 10 Channel              | <ul style="list-style-type: none"> <li>• Up to 10-ch IP camera accesses</li> <li>• Incoming/Outgoing bandwidth: 60Mbps/40Mbps</li> <li>• S+265, H.265, S+264, H.264 video formats</li> <li>• Decoding capability: 6MP (30fps) x1 or 1080P(30fps) x4</li> <li>• 10-ch synchronous playback</li> <li>• Up to 8 TB capacity for each HDD</li> <li>• Simultaneous HDMI and VGA outputs</li> <li>• Warranty 1 Years</li> </ul> |  |
| 8.  | Monitor                     | <ul style="list-style-type: none"> <li>• 22 Inch , Refresh Rate 100Hz, Full HD IPS Panel Borderless</li> <li>• Warranty 1 Years</li> </ul>                                                                                                                                                                                                                                                                                |  |
| 9.  | Hard Disk Drive 4 TB        | <ul style="list-style-type: none"> <li>• 4 TB HDD Surveillance Internal Hard Disk Drive</li> <li>• Min. 5200 RPM SATA for CCTV Camera</li> <li>• Unparalleled data protection</li> <li>• RV sensors built in</li> <li>• ATA streaming support</li> <li>• Warranty 2 Years</li> </ul>                                                                                                                                      |  |
| 10. | Hard Disk Drive 6 TB        | <ul style="list-style-type: none"> <li>• 6 TB HDD Surveillance Internal Hard Disk Drive</li> <li>• Min. 5200 RPM SATA for CCTV Camera</li> <li>• Unparalleled data protection</li> <li>• RV sensors built in</li> <li>• ATA streaming support</li> <li>• Warranty 2 Years</li> </ul>                                                                                                                                      |  |

|            |                                 |                                                                                                                                                                                                                                                                                   |  |
|------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>11.</b> | Outdoor CAT 6 Cable             | <ul style="list-style-type: none"> <li>• Full Length 305 m CAT6 Solid Copper network cable</li> <li>• Core diameter: 0.55mm</li> <li>• Excellent transmission performance using solid copper</li> <li>• Guaranteed long PoE transmission distance</li> <li>• Great PVC</li> </ul> |  |
| <b>12.</b> | CC Camera Outdoor Box           | <ul style="list-style-type: none"> <li>• CCTV Weatherproof Outdoor Camera Junction PVC box</li> <li>• Enclosure IP65 Terminal Cable</li> </ul>                                                                                                                                    |  |
| <b>13.</b> | Pole Box Outdoor                | <ul style="list-style-type: none"> <li>• Basic frame: Metal Sheet with Paint/Fiber Sheet</li> <li>• Bottom cover: cable entry cut-outs</li> <li>• Front Door: Screw Lock/Key Lock</li> </ul>                                                                                      |  |
| <b>14.</b> | Optical Fiber Cable             | <ul style="list-style-type: none"> <li>• 6 Cores</li> <li>• Single Mode, FRB</li> </ul>                                                                                                                                                                                           |  |
| <b>15.</b> | Electrical Power Cable          | <ul style="list-style-type: none"> <li>• Concentric Cable</li> <li>• 10mm<sup>2</sup></li> </ul>                                                                                                                                                                                  |  |
| <b>16.</b> | Ethernet Patch Cables           | <ul style="list-style-type: none"> <li>• D-Link CAT6 RJ45 Patch Chord ensure universal connectivity.</li> <li>• Min 1 Meters Long</li> </ul>                                                                                                                                      |  |
| <b>17.</b> | RJ 45                           | <ul style="list-style-type: none"> <li>• D-Link for Outdoor Cat6 Ethernet cable.</li> </ul>                                                                                                                                                                                       |  |
| <b>18.</b> | Optical Fiber Patch Chord Cable | <ul style="list-style-type: none"> <li>• Core/Cladding: 9/125 Single Mode</li> <li>• 2 meters long</li> </ul>                                                                                                                                                                     |  |
| <b>19.</b> | Multiplug                       | <ul style="list-style-type: none"> <li>• Min. 3 port with 3 pins</li> <li>• Copper Conductor</li> </ul>                                                                                                                                                                           |  |
| <b>20.</b> | Miniature Circuit Breaker (MCB) | <ul style="list-style-type: none"> <li>• Rated Current 10 Amp.</li> <li>• Double Pole</li> </ul>                                                                                                                                                                                  |  |
| <b>21.</b> | Optical Fiber Joint Tiffin Box  | <ul style="list-style-type: none"> <li>• High quality plastics compact and lite weight. Easy to install</li> <li>• Designed to be an outdoor usage.</li> </ul>                                                                                                                    |  |