

## Specification for Camera, DVR and other peripherals

S.No	Item
<b>1</b>	<b>Detailed Specification of Camera (Minimum-04)</b>
	<ul style="list-style-type: none"> <li>• <u>D&amp;N Colour 30mtr Variable IR Camera Box IR camera-1/3</u> in Super HAD CCD with weather proof Housing and Mounting bracket, including SMPS etc.</li> <li>• Signal Processing: Digital signal processing (DSP)</li> <li>• Filter: Dual-window mechanical type, IR Pass, IR Cut</li> <li>• Effective Pixels (H x V) PAL: 752 x 582, NTSC: 768 x 494</li> <li>• Night-Time Sensitivity 0 lux (infrared on)</li> <li>• Day-Night Switching Photocell-controlled, automatic</li> <li>• Electronics Iris 1/50 to 1/100,000 s (PAL)</li> <li>• 1/60 to 1/100,000 s (NTSC)</li> <li>• Output Signal 1Vpp composite video, 75 ohm</li> <li>• S/N Ratio Greater than 48 dB</li> <li>• Lens Vari focal 2.8 to 10 mm, DC auto-iris</li> <li>• Lens Control Externally adjustable zoom, focus and auto iris</li> <li>• LEDs Even-distribution infrared array, photocell controlled</li> <li>• Wavelength 850 nm</li> <li>• Number of LEDs minimum 24 pcs</li> <li>• Voltage 12 to 24 VDC or VAC</li> <li>• Environmental Designed to IP66 30</li> </ul>
<b>2</b>	<b>Detailed Specifications -DVR 4/8 channel</b>
	<ul style="list-style-type: none"> <li>• Small File Sizes by H.264 Compression</li> <li>• Various Recording Resolution (704x480,704x240, 352x240)</li> <li>• Up to 120fps@352 X 240 Recording</li> <li>• Default Mouse, IR Remote Controller</li> <li>• User-Friendly GUI</li> <li>• Various Monitor Output</li> <li>• Multi Motion Detection areas</li> <li>• Multi-Channel Video Backup capability</li> <li>• Pre-Alarm Recording</li> <li>• Time and Date Sync from NTP Server</li> <li>• Easy System S/W Update with USB Memory Stick and Network</li> <li>• Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up)</li> <li>• Frame Rate &amp; Quality Adjustment per Individual Camera</li> <li>• Max 16 channels connections via IE browser</li> <li>• VGA output is also required.</li> <li>• Hard Disk built-in SATA 1000GB 1 HDD</li> <li>• Backup Mode HDD backup, USB backup and network download backup</li> <li>• Network Protocols-TCP/IP, UDP, DHCP, DNS, IP</li> <li>• Filter, PPPoE, DDNS, FTP, Alarm Server</li> <li>• Motion Detection - Various sensitivity levels, Alarm can activate record, external alarm or screen message prompt, Video Loss- Can activate external alarm or screen message prompt</li> <li>• Should support Centralised monitoring system at H.O</li> </ul>
<b>3</b>	<b>Internet Facility</b>
	<ul style="list-style-type: none"> <li>• Minimum 512 Kbps internet speed</li> <li>• One dedicated static global IP</li> </ul>
<b>4</b>	<b>UPS for Min 30 Min backup (Optional) / Hot line connection</b>