4.0 Megapixel IP, True WDR, Outdoor **IR** Dome Cameras
POE, 2.8mm or 4mm IR Lens, 100’ IR, IP67

FEATURES:
- H.265/H.265+ Video Compression
- True Wide Dynamic Range - 120dB
- Up to 2688 x 1520 Resolution (30FPS)
- Fixed Focal 2.8mm or Fixed Focal 4mm IR Lens
- 3 High Power IR LED’s - 100’ IR Range
- SD Card Slot - 128G Max (Sold Separately)
- Mechanical IR Cut Filter
- Audio Line In/Out & Alarm
- Triple Stream Capability
- 3D Digital Noise Reduction
- POE - Power over Ethernet
- Free CMS & IP Server Software
- ONVIF Profile S/G Compliant
- IP67 Weatherproof
- IK10 Impact Resistance
- UL/CUL Certified

CAMERA OVERVIEW:

**SPECIFICATION**

<table>
<thead>
<tr>
<th>IP4DIR100 / IP4DIR1004MM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Sensor</strong></td>
</tr>
<tr>
<td><strong>Minimum Illumination</strong></td>
</tr>
<tr>
<td><strong>IR LED Count / Range / Nanometer</strong></td>
</tr>
<tr>
<td><strong>Shutter Time</strong></td>
</tr>
<tr>
<td><strong>Lens (IR Corrective)</strong></td>
</tr>
<tr>
<td><strong>Lens Mount</strong></td>
</tr>
<tr>
<td><strong>Camera Bracket Adjustment</strong></td>
</tr>
<tr>
<td><strong>Day &amp; Night</strong></td>
</tr>
<tr>
<td><strong>DNR (Digital Noise Reduction)</strong></td>
</tr>
<tr>
<td><strong>True Wide Dynamic Range</strong></td>
</tr>
<tr>
<td><strong>BLC (Backlight Compensation)</strong></td>
</tr>
<tr>
<td><strong>Smart Analytic Features</strong></td>
</tr>
<tr>
<td><strong>Region of Interest</strong></td>
</tr>
</tbody>
</table>

Note: Specification subject to change without notice.

3625 Cincinnati Avenue, Rocklin, CA 95765 • 855-388-7422 • www.northernvideo.com
### Video Compression
- **Main Stream:** H.265/H.264
- **Sub-Stream:** H.265/H.264/MJPEG
- **Third Stream:** H.265/H.264

#### Compression
- **Profile:** Main Profile / High Profile
- **H.264+** Main Stream & Sub-Stream Support
- **H.265** Main Profile
- **H.265+** Main Stream & Sub-Stream Support

#### Video Bitrate
- 32 Kbps to 16 Mbps

#### Audio Compression
- G.711/G.722.1/G.726/MP2L2/PCM

#### Audio Bitrate
- 64Kbps (G.711)/16Kbps (G.722.1)/16Kbps (G.726)/32-192Kbps (MP2L2)

#### Max. Resolution
- 2688 × 1520

#### Main Stream
- 50Hz: 25fps (2688 × 1520, 2304 × 1296, 1920 × 1080)/60Hz: 30fps (2688 × 1520, 2304 × 1296, 1920 × 1080)

#### Sub-Stream
- 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)/60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

#### Third Stream
- 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288)/60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)

#### Image Settings
- Rotate Mode, Saturation, Brightness, Contrast, Sharpness

#### Day/Night Switch
- Auto/Schedule/Triggered by Alarm In

#### Network Storage
- Support Micro SD/SDHC/SDXC Card (128GB Max), Local Storage and NAS (NFS,SMB/CIFS), ANR

#### Alarm Trigger
- Motion Detection, Video Tampering, Network Disconnected, IP address Conflict, Illegal Login, HDD Full, HDD Error

#### Protocols
- TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour

#### General Function
- One-Key Reset, Anti-Flicker, Three Streams, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter

#### API
- ONVIF (PROFILE S, PROFILE G), ISAPI

#### Interface
- **Communication Interface:** 1 RJ45 10M/100M Self-Adaptive Ethernet Cable Style Port
- **Audio:** 1 Input (line in/mic.in), 1 Output (line out), Terminal Block, Mono Sound
- **Alarm:** 1 Input, 1 Output (up to 12 VDC, 30 mA), Terminal Block
- **On-Board Storage:** On-Board Storage, Built-in Micro SD/SDHC/SDXC slot, up to 128 GB (card not included)
- **SVC:** H.264 and H.265 Encoding

#### Reset Button
- Yes

#### Environment Noise Filtering
- Yes

#### Audio Sampling Rate
- 16 kHz/32 kHz/44.1 kHz/48 kHz

#### Operating Conditions
- -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)

#### Power Supply
- 12 VDC ± 25%, Ø 5.5 mm Coaxial Power Plug / PoE (802.3af, Class 3)

#### Power Consumption & Current
- 12 VDC, 0.5A, Max. 6W / PoE (802.3af, 37V to 57V), 0.2A to 0.1A, Max. 7.5W

#### Weatherproof/Protection Rating
- IP67 / IK10 / TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection

#### Housing Material / Color
- Heavy Duty Aluminum / White

#### Dimensions
- Ø111 × 82.4 mm (Ø 4.4" × 3.2")

#### Weight
- 610 g (1.3 lb.)

#### Certifications
- UL / CUL

---

### Included Accessories:

### Optional Mounting Accessories:
- **BB110** - Back Box
- **DPC110** - Pendant Cap
- **WM110** - Indoor Wall Mount
- **WMT110** - Outdoor Wall Mount
- **PMT** - Pole Mount

---

**Note:** Specification subject to change without notice.