600 TVL RS485/OSD Multifunction IR Water Proof Camera

**MS-3800AI**

**Features**
- Color 600TVL Hi Resolution
- 43PCS IR LED Irradiation Distance 30M
- 2.7~12mm Auto Iris Lens
- 256Area independent exposure
- 256Area Independent Mathematical Auto White Balance
- Full Function OSD Menu
- RS-485/TELCO-DIP Remote Control
- DC12V Power
- DNR function
- Motion Detection Alarm Output
- Inbuilt speed adjustment
- Privacy Zone Masking
- GAMMA Adjustable:0.3/0.45/CRT Monitor/0.6/LCD Monitor/0.75
- IR-CUT switch Controlled by External Signal

**Specification**

<table>
<thead>
<tr>
<th>Model</th>
<th>MS-3800AI/DN</th>
<th>MS-3800AI/IP</th>
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</thead>
<tbody>
<tr>
<td>Image Pick-up Device</td>
<td>1/3&quot; SONY Super HAD CCD</td>
<td></td>
</tr>
<tr>
<td>Picture elements</td>
<td>811(H) x 584(V)</td>
<td>795(H) x 586(V)</td>
</tr>
<tr>
<td>Effective picture elements</td>
<td>768(H) x 494(V)</td>
<td>752(H) x 582(V)</td>
</tr>
<tr>
<td>Scanning System</td>
<td>Internal / Line Lock Selectable</td>
<td></td>
</tr>
<tr>
<td>Synchronizing System</td>
<td>15.734kHz, 15.625kHz</td>
<td></td>
</tr>
<tr>
<td>Vertical Frequency</td>
<td>59.94Hz, 50.00Hz</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>600 TV Lines Horizontally (Color: 580 TV Lines Horizontally (B/W))</td>
<td></td>
</tr>
<tr>
<td>Video Output</td>
<td>1.0V p-p/75Ω, Video:0.714Vp-p Sync:0.286Vp-p</td>
<td></td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>More than 54dB (AGC DR)</td>
<td></td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>0.1 Lux at 1.2 (ULUX)</td>
<td></td>
</tr>
<tr>
<td>0Lux IR LED ON</td>
<td></td>
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</tbody>
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**ELC Mode**
- ON/OFF Selectable
- ELC: ON/OFF (0.1Lux) ON/OFF (0.0005Lux)

**AGC**
- OFF/Low/Mid/High Selectable

**GAMMA**
- 0/3/0.45/CRT Monitor/0.6/LCD Monitor/0.75

**White Balance**
- ATW / ADD / MANUAL Selectable

**Back-Light Compensation**
- OFF/Low/Mid/High Selectable

**Motion Detector**
- ON/OFF Selectable (Detect Area=4)

**Privacy**
- ON/OFF Selectable (Area=4)

**G/N Mode**
- AUTO/DAY/NIGHT/EXT/Black Level Selectable

**Mirror**
- H-Mirror/Off Selectable

**Control Manner**
- Built-in Chinese, English OSD Menu

**IR Available Distance**
- 43PCS IR LED Irradiation Distance 30M

**Lens**
- F=3.7~12mm Auto Iris Lens
- Power Supply: 12VDC ±10%
- Power Consumption: IR ON Max 3W
- Dimension: 46X X 150X mm
- Temperature: -10°C ~ +50°C
- Storage Temperature: -40°C ~ +60°C
- Operation Humidity: 20%~90% RH
- Weight Approx.: 460g

1. **600 TVL Hi Resolution**
Adopt brand new DSP technology to enhance the image resolution. Horizontal TV Lines up to color 600TVL.LT can display detail with clarity and meet higher surveillance demands.

2. **24Hour Surveillance**
MS-3800AI is equipped with 43pcs IR LED and built-in IRC lens. At daytime it can display image with true color, while at nighttime it can show you clear B&W image with IR illumination, which guarantees perfect image displayed for 24 hours.

3. **256 Area Independent Exposure**
With 256 area independent exposure function in OSD, it can display the true image without noise exposure even when shooting at masses of glistering objects.

4. **256 Area Independent Mathematical Auto White Balance**
Whole new 256 Area independent mathematical auto white balance function object color and grey level still can diminish at highest area same color.

**MS-38IIi**

**Mini Entry level IR Water Proof Camera**

**Features**
- Mid Resolution 420TVL Day&Night
- Reproduces True Color Even In Strong Sunshine Under Out-door Circumstances
- 3.6mm F1.2 Ball Lens
- 24PCS IR LED Irradiation Distance 15M
- No Graininess Displayed Under 2D-IR Low Illumination Circumstance
- Auto AGC
- Auto White Balance
- Auto Back Light Compensation
- UL/LEV Power

**Dimension**

**Entry level**

**Rear Panel**

**External Focus Adjustable**

**Black Level Adjustable**

**CRT Monitor**
- Black Level OFF
- Black Level ON

**LCD Monitor**
- Gamma Adjustable:0.3/0.45/CRT Monitor/0.6/LCD Monitor/0.75