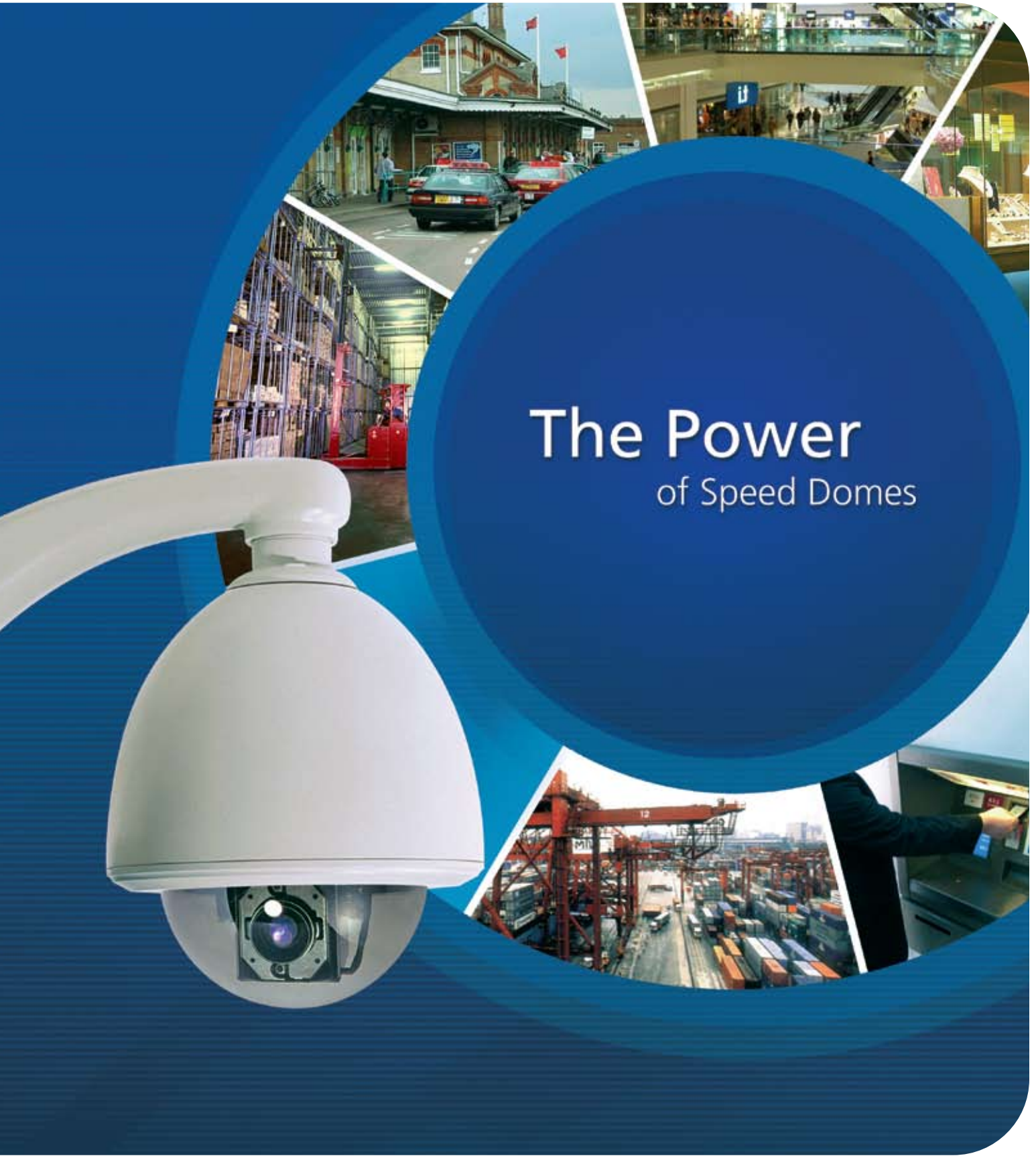



Professional Speed Domes & CCTV Cameras

Designed for All Applications

TeleEye

www.TeleEye.com

## DM880 Series : DM882 / DM889
## Professional 36X Hi-Resolution Day / Night Colour Speed Dome

- 1/4" Colour CCD
- Powerful 432X zoom ; Optical : 36X, Digital : 12X
- Resolution : 480 (Day) / 550 (Night) TVL
- Day / night minimum illumination : 0.01 Lux
- 220 presets, 4 patrols, 4 patterns
- 7 alarm inputs and 2 alarm outputs
- 8 function schedules
- 24 privacy zone maskings
- IP66 weather proof standard
- OSD menu

DM889 (outdoor)

DM882 (indoor)

TeleEye RX-KB02

| Accessories | |
|---|---|
| **Model** | **Description** |
| DM88-PP | Parapet Mount Bracket for DM880 Series |
| DM88-PD | Pendant Mount Bracket for DM880 Series |
| DM88-PL | Pole Mount Bracket for DM880, DM720, DM590 and DM560 Series |
| DM88-CN | Corner Mount Bracket for DM880, DM720, DM590 and DM560 Series |
| DM88-VRC | Vandal Resistant Cover for DM880 Series |
| RX-KB02 | TeleEye RX and DM Keyboard with Joystick |
| DM86-PelC | Pelco Coaxitron Protocol Board for DM880 Series |
| DM86-PelC-CVT1 | 1 Channel Pelco Coaxitron Code Receiver |
| DM86-PelC-CVT4 | 4 Channels Pelco Coaxitron Code Receiver |

## Powerful 432X Zoom

TeleEye DM880, DM720 and DM590 Series are equipped with a reliable built-in 36X optical zoom lens that allows you to monitor a scene from any distance. Combined with a 12X digital zoom, its total zoom ratio can be boosted up to 432X for enabling powerful close-ups and capturing the subject details.

## Advanced Privacy Zone Masking

TeleEye speed domes provide privacy zone masking function to mask out any undesired areas on screen. TeleEye DM880 and DM720 Series provides up to 24 masks for further protection.

## Built-in Alarm Function

With built-in alarm inputs, TeleEye DM880 Series can instantly return to their preset positions upon any alarm triggers. Alarm sensors being triggered, such as magnetic door contacts, PIR motion sensors, smoke detectors, can drive the relay switches to turn on some electrical devices, e.g. lighting appliance, buzzer.

## DM590 Series : DM597 / DM599
## Professional 36X Day / Night Speed Dome

- 1/4" Colour CCD
- Resolution : 480 (Day) / 550 (Night) TVL
- Day / night minimum illumination : 0.01 Lux
- 128 presets, 6 patrols, 3 patterns
- 432X zoom ; Optical : 36X, Digital : 12X
- 8 privacy zone maskings
- IP66 weather proof standard
- OSD menu

DM597 (indoor) / DM599 (outdoor)
DM562 (indoor) / DM563 (outdoor)

## DM560 Series : DM562 / DM563
## Budget 30X Day / Night Speed Dome

- 1/4" Colour CCD
- Ultra hi-Resolution : 520 (Day) / 570 (Night) TVL
- Day / night minimum illumination : 0.08 Lux
- 50 presets, 1 patrol
- 240X zoom ; Optical : 30X, Digital : 8X
- IP66 weather proof standard

TeleEye RX-KB02

| Accessories | |
|---|---|
| **Model** | **Description** |
| DM56-CL | Recessed Ceiling Mount Fixture for DM590 and DM560 Series |
| DM56-PD | Pendant Mount Bracket for DM590 and DM560 Series |
| DM88-PL | Pole Mount Bracket for DM880, DM720, DM590 and DM560 Series |
| DM88-CN | Corner Mount Bracket for DM880, DM720, DM590 and DM560 Series |
| DM56-VRC | Vandal Resistant Cover for DM590 and DM560 Series |
| RX-KB02 | TeleEye RX and DM Keyboard with Joystick |

## Day / Night Changeover Operation

TeleEye speed domes allow full colour surveillance during day-time down to 0.1 Lux operation. The camera switches to operate in B&W mode to increase its sensitivity for every low light to 0.01 Lux in the night time.

## Specifications

| | MODEL | DM882 (Indoor) | DM889 (Outdoor) |
|---|---|---|---|
| CAMERA OPTICS | Scanning System | PAL (625 lines, 50 fields per second)<br>NTSC (525 lines, 60 fields per second) | |
| | Image Sensor | 1/4" colour CCD | |
| | Resolution | 480 (Day) / 550 (Night) TVL | |
| | Minimum Illumination | Day: 0.1 Lux (F1.6) at 50 IRE<br>Night: 0.01 Lux (F1.6) at 50 IRE | |
| | Electronic Sensitivity Boost | On / Off | |
| | Video Output Level | 1.0Vp-p (75ohms, composite) | |
| | Video S/N Ratio | ≥50dB (AGC off) | |
| | White Balance | Auto / Manual | |
| | Gain Control | Auto / Manual | |
| | Electronic Shutter | 1/4 - 1/10,000 sec | |
| | Iris | Auto / Manual | |
| | Back Light Compensation | On / Off | |
| | Lens | Aperture stop: F/1.6 - 4.5<br>Focal length: f = 3.4 - 122.4mm<br>Viewing angle: 1.7° - 57.8° | |
| | Zoom | Optical: 36X /<br>Digital: 12X (Total: 432X) | |
| | Privacy Zone Masking | On / Off, 24 masks | |
| MECHANICAL DESIGN | Panning | Range: 360° continuous<br>Manual speed: 0.1° - 160°/sec<br>Preset speed: 360°/sec | |
| | Tilting | Range: 0° - 90°<br>Manual speed: 0.1° - 160°/sec<br>Preset speed: 360°/sec | |
| | Control | 220 Presets, 4 Patrols, 4 Patterns, 4 Auto Scans | |
| | Protocol | TeleEye DM2, Pelco P, Pelco D | |
| | Built-in Alarm | 7 Inputs, 2 Outputs | |
| POWER / ENVIRONMENT | Weather Proof Standard | – | IP66 |
| | Fan | – | Continuous |
| | Heater | – | Auto Start |
| | Operating Temperature | 0°C - 50°C | -40°C - 70°C |
| | Humidity | 0% - 95%<br>(No condensation) | – |
| | Power Source | AC 24V, 50W (max) | |
| | Net Weight | 5 kg | 5.32 kg |

## DM Series Selection Guide

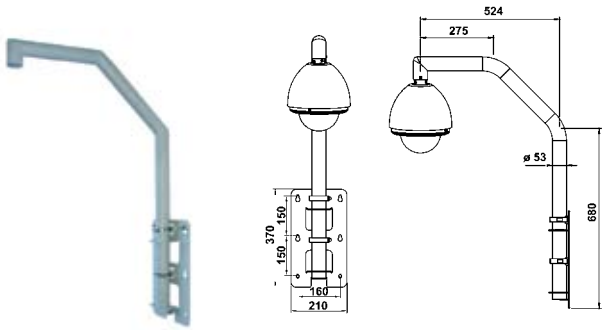
| MODEL | DM882 | DM889 |
|---|---|---|
| Indoor / Outdoor | Indoor | Outdoor |
| Optical Zoom | 36X | 36X |
| Resolution (Day / Night) | 480 / 550 TVL | 480 / 550 TVL |
| OSD | Yes | Yes |
| Privacy Zone Masking | Yes | Yes |
| Alarm I/O | Yes | Yes |

| DM597 (Indoor) | DM599 (Outdoor) | DM562 (Indoor) | DM563 (Outdoor) |
|---|---|---|---|
| PAL (625 lines, 50 fields per second)<br>NTSC (525 lines, 60 fields per second) | | | |
| 1/4" colour CCD | | | |
| 480 (Day) / 550 (Night) TVL | | 520 (Day) / 570 (Night) TVL | |
| Day: 0.1 Lux (F1.6) at 50 IRE<br>Night: 0.01 Lux (F1.6) at 50 IRE | | Day: 0.4 Lux (F1.6) at 50 IRE<br>Night: 0.08 Lux (F1.6) at 50 IRE | |
| On / Off | | – | |
| 1.0Vp-p (75ohms, composite) | | 1.0Vp-p (75ohms, composite) | |
| ≥50dB (AGC off) | | ≥50dB (AGC off) | |
| Auto / Manual | | Auto / Manual | |
| Auto / Manual | | Auto / Manual | |
| 1/4 - 1/10,000 sec | | 1/50 - 1/10,000 sec | |
| Auto / Manual | | Auto / Manual | |
| On / Off | | On / Off | |
| Aperture stop: F/1.6 - 4.5<br>Focal length: f = 3.4 - 122.4mm<br>Viewing angle: 1.7° - 57.8° | | Aperture stop: F/1.6 - 3.2<br>Focal length: f = 3.3 - 99mm<br>Viewing angle: 2.2° - 58° | |
| Optical: 36X /<br>Digital: 12X (Total: 432X) | | Optical: 30X /<br>Digital: 8X (Total: 240X) | |
| On / Off, 8 masks | | – | |
| Range: 360° continuous<br>Manual speed: 0.1° - 300°/sec<br>Preset speed: 360°/sec | | Range: 360° continuous<br>Manual speed: 0.8° - 240°/sec<br>Preset speed: 240°/sec | |
| Range: 0° - 90°<br>Manual speed: 0.1° - 120°/sec<br>Preset speed: 360°/sec | | Range: 0° - 90°<br>Manual speed: 0.8° - 90°/sec<br>Preset speed: 60°/sec | |
| 128 Presets, 6 Patrols, 3 Patterns, 1 Auto Scan | | 50 Presets, 1 Patrol, 1 Auto Scan | |
| TeleEye DM2, Pelco P, Pelco D | | | |
| – | | | |
| – | IP66 | – | IP66 |
| – | Auto Start | – | Auto Start |
| – | Auto Start | – | Auto Start |
| 0°C - 50°C | -22°C - 60°C | 0°C - 50°C | -22°C - 60°C |
| 0% - 90%<br>(No condensation) | – | 0% - 90%<br>(No condensation) | – |
| AC 24V, 20W (max) | AC 24V, 35W (max) | AC 24V, 20W (max) | AC 24V, 35W (max) |
| 3.5 kg | 4.2 kg | 3.5 kg | 4.2 kg |

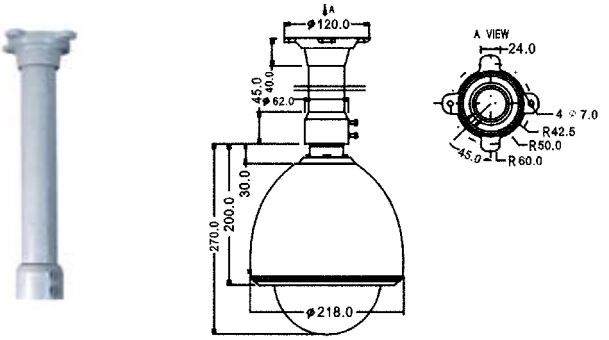
| DM597 | DM599 | DM562 | DM563 |
|---|---|---|---|
| Indoor | Outdoor | Indoor | Outdoor |
| 36X | 36X | 30X | 30X |
| 480 / 550 TVL | 480 / 550 TVL | 520 / 570 TVL | 520 / 570 TVL |
| Yes | Yes | – | – |
| Yes | Yes | – | – |
| – | – | – | – |

## Mounting Options of DM880 Series

DM88-PP Parapet Mount

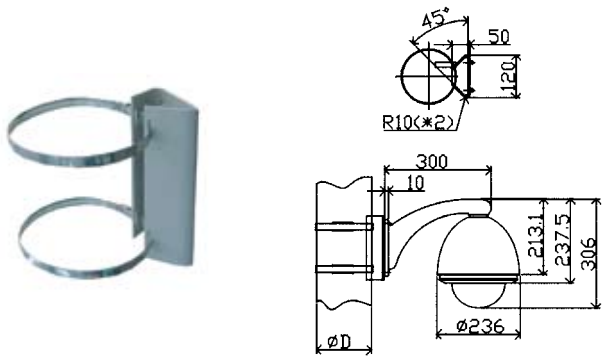



DM88-PD Pendant Mount

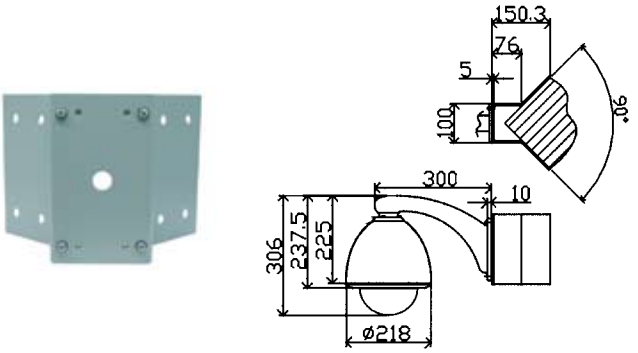



## Mounting Options of DM880, DM720, DM590 and DM560 Series

DM88-PL Pole Mount

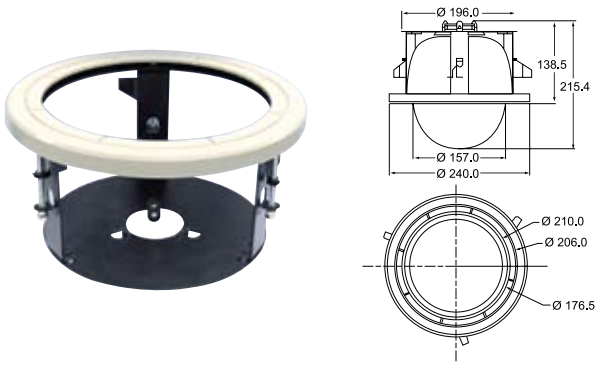



DM88-CN Corner Mount

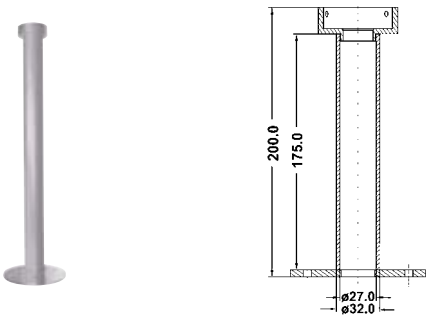



## Mounting Options of DM590 and DM560 Series

DM56-CL Ceiling Mount

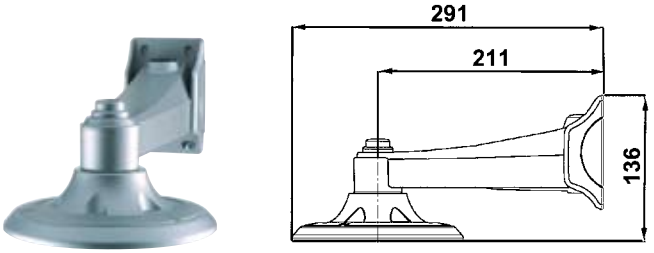



DM56-PD Pendant Mount




## Mounting Option of DM338

DM33-WL Wall Mount Bracket



## DM720 Series
## High Performance Integrated Positioning Camera

TeleEye DM720 Series carries a line of high performance integrated positioning cameras specially designed for demanding outdoor applications of video surveillance. TeleEye DM720 Series integrates a powerful pan/tilt head with a day-and-night maximum 432X zoom camera in IP66 standard outdoor housing and a telemetry receiver. The camera is capable of continuous pan rotation to 360° and tilt movement from -90° to +40°. With multi-protocols, TeleEye DM720 Series provides versatile 220 presets with title, 4 patrols, 4 patterns, 4 auto scans and 24-privacy zone maskings functions.

With built-in thermostat, heater, fan, sun-shield, defroster and wiper design, TeleEye DM720 Series suits any operations in atrocious weather environment perfectly. The camera being used in the TeleEye DM720 Series can be widely applied to outdoor installation like coast and borders patrol, harbour control, highway and traffic monitoring, prison and airport surveillance and many security applications.

DM728 (26X Zoom) / DM729 (36X Zoom)

**Features:**
- Maximum 432X zoom
- Minimum illumination: 0.01 lux
- 360° continuous pan and -90° to +40° tilt
- 220 presets with title, 4 patrols, 4 patterns, 4 auto scans
- 8 function schedules
- 8 zones with title
- 24 privacy zone maskings
- Auto running
- OSD menu

**Environment:**
- IP66 protection grade
- Sun shield, auto running defroster / heater / fan / wiper
- Operating temperature: -40°C – 60°C
- Operating wind speed: 90km/hour
- Withstand wind speed: 130km/hour
- Withstand rain fall: 4mm/min

**Electrical:**
- Input power: AC24V, AC220V, AC110V selectable, 50/60Hz
- Maximum power consumption: 60W
- Working voltage for defroster, heater, wiper, fan: 24V AC
- Working consumption for defroster, heater, wiper, fan: 21W
- 4000V video, data, power lightning proof

**Mechanical:**
- Horizontal movement: continuously 360° pan
- Vertical movement: -90° – +40° tilt
- Manual pan speed: 0.1°–70°/s
- Manual tilt speed: 0.1°–50°/s
- Preset speed: 140°/s
- Preset accuracy: 0.1°
- Net weight: 9.6kg

## Specifications

| | MODEL | DM728 | DM729 |
|---|---|---|---|
| CAMERA OPTICS | Scanning System | PAL (625 lines, 50 fields per second)<br>NTSC (525 lines, 60 fields per second) | |
| | Image Sensor | 1/4" colour CCD | |
| | Resolution | 480 (Day) / 550 (Night) TVL | |
| | Minimum Illumination | Day: 0.14 Lux (F1.6) at 50 IRE<br>Night: 0.05 Lux (F1.6) at 50 IRE | Day: 0.1 Lux (F1.6) at 50 IRE<br>Night: 0.01 Lux (F1.6) at 50 IRE |
| | Video Output Level | 1.0Vp-p (75ohms, composite) | |
| | Video S/N Ratio | ≥50dB (AGC off) | |
| | White Balance | Auto / Manual | |
| | Gain Control | Auto / Manual | |
| | Focus | Auto / Manual | |
| | Electronic Shutter | 1/4 – 1/10,000 sec | 1/4 – 1/10,000 sec |
| | Back Light Compensation | On / Off | |
| | Iris | Auto / Manual | |
| | Lens | Viewing angle: 1.6° – 42° | Viewing angle: 1.7° - 57.8° |
| | Focal Length | f = 3.5 - 91mm | f = 3.4 - 122.4mm |
| | Zoom | 312X Zoom; Optical: 26X, Digital: 12X | 432X Zoom, Optical: 36X, Digital: 12X |
| | Privacy Zone Masking | On / Off, 24 masks | |
| MECHANICAL DESIGN | Panning | Range: 360° continuous, Manual speed: 0.1° – 70°/sec, Preset speed: 140°/sec | |
| | Tilting | Range: -90° – 40°, Manual speed: 0.1° – 50°/sec, Preset speed: 140°/sec | |
| | Control | 220 Presets with title, 4 Patrols, 4 Patterns, 4 Auto Scans | |
| | Protocol | TeleEye DM2, Pelco P, Pelco D | |
| | Built-in Alarm | – | |
| POWER / ENVIRONMENT | Weather Proof Standard | IP66 | |
| | Fan | Auto running | |
| | Heater | Auto start | |
| | Operating Temperature | -40°C – 60°C | |
| | Power Source | AC 24V, 60W (max) | |
| | Net Weight | 9.6kg | |

# Mini Pan / Tilt Cameras

DM338 (outdoor)

DM336 (indoor)

TeleEye DM-KB04

## DM338

### Mini Outdoor Vandal Resistant Pan / Tilt Dome

- Resolution : 480 (Day) / 520 (Night) TVL
- Vandal resistant
- IP66 weather proof standard
- Vari-focal auto-iris lens, f=4 - 9mm
- 64 presets, 1 patrol
- 3X digital zoom (continuous) and auto pan

## DM336

### Mini Indoor Colour Pan / Tilt Dome

- Vari-focal auto-iris lens, f=4 - 9mm
- 3X digital zoom (continuous)
- Resolution : 470 TVL
- 64 presets, 1 patrol
- RS-485 telemetry interface
- Auto pan

DM33-WL
Wall Mount Bracket for DM338

## Specifications

| | MODEL | DM338 | DM336 |
|---|---|---|---|
| CAMERA OPTICS | Image Sensor | 1/3" colour CCD | |
| | Effective Pixels | PAL: 752 (H) x 582 (V)<br>NTSC: 768 (H) x 494 (V) | |
| | Horizontal Resolution | 480 (Day) / 520 (Night) TVL | 470 TVL |
| | Lens | f = 4 - 9mm Vari-focal auto-iris lens, F1.2 (viewing angle (H) = approx. 70.8° – 31.4°) | |
| | Minimum Illumination | 0.01 Lux (F1.2) | 1.0 Lux (F1.2) |
| | White Balance | Auto | |
| | Electronic Shutter | 1/50 (1/60) sec | |
| | Video S/N Ratio | >45dB (AGC off) | |
| MECHANICAL DESIGN | Panning | Range: 0° - 355°, Speed: 9° – 93°/sec | |
| | Tilting | Range: 5° – 90°, Speed: 9° – 66°/sec | |
| | Control | 64 Presets, 1 Patrol | |
| | Data Rate | 2400, 4800, 9600bps (auto detection) | |
| | Data Interface | RS-485 | |
| | Protocol | TeleEye DM4, Pelco D | |
| POWER / ENVIRONMENT | Operating Temperature | -10°C – 50°C | |
| | Humidity | – | 0 – 80% |
| | Power Source | 12V DC, 600mA (max) | 12V DC, 500mA (max) |
| | Net Weight | 1250g | 600g |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Reprint: 2008.10