OUTDOOR PTZ SPEED DOME CAMERA

680TVL

x27 OPTICAL ZOOM
x324 TOTAL ZOOM

TRUE DAY & NIGHT
IP67 OUTDOOR

KEY FEATURES
- Image Sensor: 1/4" Super HAD Color CCD
- x27 Optical Zoom, x12 Digital Zoom
- Day & Night, Privacy Mask, HLC
- SNR (Super Noise Reduction) Function
- Various Focus Mode: Auto-Focus, Manual Focus, Semi-Auto Focus
- Various Setup Options in OSD Menu
- No Accumulative Error with Preset Function
- Shortest Path by Vector Drive Technology
- High Accuracy with Micro-Stepping Control Technology
- Smooth Motion at High Zoom Magnification Mode
- Lightening Speed (MAX. 360°/sec) & Smooth Manual Speed (MIN. 0.05°/sec)
- Lowest Noise & Lowest Vibration
- Endless 360° Pan Rotation
- Independent Preset Parameter Setup (AE, WB and etc.)
- 127 Preset Positions with Alphanumeric Labels
- 4 Pattern, 8 Swing and 8 Group Functions
- 8 Privacy Masks (Spherical Coordinates)
- Auto Flip, Auto Parking, Power-up Action
- On-Screen Display On/Off
- Weather & Vandal Resistant Structure
- Vandal-resistant (Dome Cover: Poly-carbonated / Housing & Accessories: Aluminum)
- Built-in Fan & Heater

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POWERFUL PAN / TILT FUNCTIONS
- MAX. 360°/sec High Speed Pan/Tilt Motion
- With the Vector Drive Technology, Pan / Tilt motions are accomplished along the shortest path. As a result, the time to target view is remarkably short and the video on the monitor is very natural in monitoring.
- With the Micro-Stepping Control Technology, the video looks very natural at high zoom magnification during a jog operation on a controller since the camera can be controlled by 0.05°/sec. Hence it is very easy to make the camera focus on desired target views at high zoom magnification. Additionally it is easy to make the camera focus on desired positions with zoom-proportional pan/tilt movement.

PRESET, PATTERN, SWING, GROUP, PRIVACY MASK AND MORE
- MAX. 128 Presets are programmable and each preset can have its own parameter values independently from the other presets.
- MAX. 8 sets of Swing are programmable. This function is that the camera moves repetitively between two preset positions at programmed speeds.
- MAX. 4 Patterns are programmable. This function is that the camera memorizes the path (mostly curve path) by the joystick of the controller and revives the trajectory operated by the joystick as closely as possible.
- MAX. 8 sets of Group are programmable. This function is that the camera memorizes the combination of Presets, Pattern and/or Swings sequently and runs Presets, Pattern and/or Swings repetitively. A Group can be combined upto 20 functions with any of Preset/Pattern/Swing.
- MAX. 8 Privacy Masks are programmable, not to intrude on any other’s privacy.

PTZ (PAN/TILT/ZOOM) CONTROL
- With the RS-485 communication connection, MAX. 255 units of cameras can be connected to a single controller.
- Pelco-D or Pelco-P protocols can be selected as a control protocol in the current firmware version.

OSD (ON SCREEN DISPLAY) MENU
- OSD menu is provided to display the status of camera and to configure the functions interactively.
- The information such as Camera ID, Pan/Tilt Angle, Direction, Alarm Input and Preset is displayed on screen.

ALARM IN/OUT FUNCTION
- 3 alarm sensor inputs and 1 alarm sensor outputs are available.
- Alarm sensor input is decoupled with photo-couplers to avoid external electric noise and shock perfectly.
- Both of N.O. (Normal Open) sensors and N.C. (Normal Close) sensors can be used and the signal range of the sensor input is from DC 5.0V to 12.0V for various applications.
- The camera can be set to move to a Preset position or to run functions such as Pattern, Swing and Group when there are external sensor activations. Also “Post Alarm” function is possible, which is supposed to activate after user-defined time period and sequentially in succession to the action by external sensor activations.

RESERVED PRESETS (HOT KEYS)
- Most camera setup options can be set up easily and directly with the reserved presets (Hot Keys), without entering into OSD menu. For more information, refer to “Reserved Presets (Hot Keys)” in this manual.

PERFECT OUTDOOR ENVIRONMENT COMPATIBILITY AND EASY INSTALLATION
- Fans and heaters are built-in in camera for cold and hot temperature environment. Also idealistic mechanical design protects camera from water and dust. (IP 66 when installed properly with wall mount bracket only)
- It is easy to install and maintain camera with terminal for cable connection in brackets.

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