



# MagnaView<sup>®</sup>

## Advanced Surveillance

### Silent Witness MagnaView™ Series



MagnaView is Silent Witness' premium camera line of vandal-resistant surveillance solutions. The V28S is one of the strongest cameras available today. The V28F and V28G are perfect for use in prisons or hospitals where there is a threat of personal injury.

#### Forward thinking versatility

- Choose from a wide range of black and white and color cameras, including True Day/Night and Wide Dynamic.
- Choose from the most popular transmission media (Coaxial, UTP or Fiber\*) integrated inside the camera (\*V28R only)
- The V28P allows you to choose from either a surface or flush mount enclosure
- V28P and V28F install with or without a 4S electrical box

#### Wider, clearer view

- "3D" gimbal allows for maximum lens rotation and placement
- Compatible with Silent Witness' Quick Change Fixed (2.9 mm to 16.0 mm) and Vari-focal Auto-iris Lenses (4.0 mm to 8.0 mm, 2.8 mm to 6.0 mm, 9.0 mm to 22.0 mm)

#### Robust and discreet

- Rugged, high impact and vandal resistant. Withstands a blow from a 10 pound sledgehammer
- Various housings provide a visually appealing, low profile camera design that blends with the surroundings.
- V28F and V28G have no ligature points, making it impossible for an individual to grip or hang from the camera itself
- Impact, no-scratch, clear polycarbonate dome has an adjustable dome insert to conceal camera components without compromising light sensitivity or picture quality
- Weather sealed. Indoor and outdoor applications include: prisons, hospitals, schools, commercial, and public buildings

#### Adaptable

- Camera assembly is easily installed and removed
- One power connection self-configures to either 12VDC or 24VAC. AC line lock standard with all cameras in 24VAC operation

#### 1-2-3 step installation

1. Install and wire the housing
2. Snap in the camera assembly
3. Camera is ready to go to work for you



### metal housing

**NEW**

Exclusive to Silent Witness!  
Silent Witness Tamper-proof Screws  
See reverse for more information.

**SILENT WITNESS<sup>®</sup>**  
Securing your world

www.silentwitness.com  
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# MAGNAVIEW CAMERA SPECIFICATIONS

## COMMON CAMERA SPECIFICATIONS

BLACK-AND-WHITE, COLOR, COLOR EXVIEW HAD™, TRUE DAY/NIGHT, WIDE DYNAMIC, WIDE DYNAMIC TRUE DAY/NIGHT

<b>Imager Format</b>	1/3" CCD
<b>S/N Ratio</b>	better than 51dB
<b>Video Output 1Vp-p</b>	Coax: 75 ohms, UTP; 100 ohms, Fiber: 850nm <sup>1</sup>
<b>Electronic Iris</b>	1/60 (1/50) - 1/100,000 sec
<b>Sync System</b>	12 VDC: Internal 24 VAC: External (VD lock)
<b>AGC Control</b>	Off/on (1-26dB max) switchable
<b>Backlight Compensation</b>	On (central window) off-switchable
<b>Input Voltage</b>	11-16 VDC regulated <sup>2</sup> 17-32 VAC
<b>Surge Suppression</b>	1.5kW transient
<b>Operating Temperature</b>	-13°F to 122°F (-25°C to 50°C)

BLACK-AND-WHITE	Standard Res	High Res
<b>Resolution</b>	410 TV lines	570 TV lines
<b>Light Sensitivity<sup>3</sup></b>	0.10 lux @ F2.0	0.16 lux @ F2.0
<b>Current Consumption</b>	2.5W	2.5W

COLOR	Standard Res	High Res
<b>Resolution</b>	350 TV lines	480 TV lines
<b>Light Sensitivity<sup>3</sup></b>	0.8 lux @ F2.0	1.0 lux @ F2.0
<b>Auto White Balance</b>	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
<b>Current Consumption</b>	3.5W	3.5W

COLOR EXVIEW HAD™	Standard Res	High Res
<b>Resolution</b>	350 TV lines	480 TV lines
<b>Light Sensitivity<sup>3</sup></b>	0.8 lux @ F2.0	1.0 lux @ F2.0
<b>Auto White Balance</b>	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
<b>Current Consumption</b>	3.5W	3.5W

TRUE DAY/NIGHT	Standard Res	High Res
<b>Resolution</b>	350 TV lines	480 TV lines
<b>Minimum Illumination</b>	0.13 lux @ F2.0	0.15 lux @ F2.0
<b>Auto White Balance</b>	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
<b>Current Consumption</b>	3.5W	3.5W

WIDE DYNAMIC <sup>4</sup>	High Res
<b>Resolution</b>	480 TV lines
<b>Dynamic Range</b>	52 dB typical
<b>Minimum Illumination</b>	1.0 lux @ F1.5
<b>Auto White Balance</b>	AWB/ATW
<b>Current Consumption</b>	4.5W

WIDE DYNAMIC TRUE DAY/NIGHT <sup>4</sup>	High Res
<b>Resolution</b>	480 TV lines
<b>Dynamic Range</b>	52 dB typical
<b>Minimum Illumination</b>	0.07 lux @ F1.5
<b>Auto White Balance</b>	AWB/ATW
<b>Current Consumption</b>	4.5W

## OPTIONAL

### SILENT WITNESS® TAMPER-PROOF SCREWS

Protect your camera from vandalism and theft! Exclusive to Silent Witness, these Tamper-proof screws can only be unfastened by the special key provided in the kit. Each kit contains hardware for 15 to 30 cameras. Keep the special key in a safe place!

- TPS-8: For V28F, V28G, V28P, C12, C14 and C16 cameras. Includes 60 screws and 1 key
- TPS-10: For V28R, V28S and V29A cameras. Includes 60 screws and 1 key

### POWER SUPPLIES

For single camera application:

- PSA 2420 - AC
- PSI 4.1 - DC
- PSI 8.0 - DC

For multiple camera applications:

- SWPS24-04 (4 x 24VAC output)
- SWPS24-08 (8 x 24VAC output)
- SWPS24-16 (16 x 24VAC output)

### AUDIO

- V28R- MIC
- V28S- MIC

### DOME

Small (V28C only):

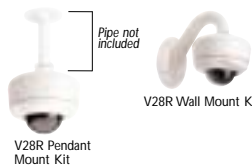
- DRK2.0 - Clear
- DRK3.0 - Half Tint

Large:

- DRK2.2 - Clear
- DRK3.2 - Half Tint

### MOUNTS (see image below)

- V28R-PK (Pendant mount kit)
- V28R-WK (Wall mount kit)



V28R Pendant Mount Kit

V28R Wall Mount Kit

## HOUSING

### V28C

<b>Housing Dimensions</b>	5.8 in. diameter (150 mm) Overall height: 4.52 in (115 mm)
<b>Weight</b>	2.2 lbs (1.0 kg)
<b>Housing Material</b>	Stainless Steel
<b>Finish</b>	Urethane powder paint or polished stainless steel
<b>Dome Material</b>	Hard coated polycarbonate (clear dome with insert)
<b>Housing Options</b>	Mid-wall cap

### V28R

<b>Housing Dimensions</b>	6.1 in. diameter (155 mm) Overall height: 4.13 in. (105 mm)
<b>Weight</b>	3.0 lbs (1.37 kg)
<b>Housing Material</b>	Die cast aluminum alloy
<b>Finish</b>	Urethane powder paint
<b>Dome Material</b>	Hard coated polycarbonate (clear dome with insert)
<b>Mounting Accessories</b>	Wall mount and pendant mount

### V28S

<b>Housing Dimensions</b>	5.25 in.L x 5.25 in.W x 4.15 in.H (134 mm x 134 mm x 105 mm)
<b>Weight</b>	3.0 lbs (1.37 kg)
<b>Housing Material</b>	Sand cast aluminum alloy
<b>Finish</b>	Urethane powder paint
<b>Dome Material</b>	Hard coated polycarbonate (clear dome with insert)

### V28F

<b>Housing Dimensions</b>	5.93 in. diameter (151 mm) Overall height: 3.80 in. (97 mm)
<b>Weight</b>	1.75 lbs (0.79 kg)
<b>Housing Material</b>	Machined aluminum cover
<b>Finish</b>	Brushed aluminum
<b>Dome Material</b>	Hard coated polycarbonate (clear dome with insert)

### V28G

<b>Housing Dimensions</b>	6.85 in. diameter (174 mm) Overall height: 3.80 in. (97 mm)
<b>Weight</b>	2.0 lbs (0.91 kg)
<b>Housing Material</b>	Machined aluminum cover
<b>Finish</b>	Brushed aluminum
<b>Dome Material</b>	Hard coated polycarbonate (clear dome with insert)

### V28P

<b>Housing Dimensions</b>	6.80 in. diameter (173 mm) Overall height: 3.90 in. (100 mm)
<b>Weight</b>	2.5 lbs (1.13 kg)
<b>Housing Material</b>	Die cast aluminum alloy (top and bottom)
<b>Finish</b>	Urethane powder paint
<b>Dome Material</b>	Hard coated polycarbonate (clear dome with insert)

## FIELD OF VIEW

(mm)	2.9	3.6	6.0	8.0	12	16	Vari-focal 2.8-6.0	Vari-focal 4.0-9.0	Vari-focal 9.0-22.0
<b>Horizontal</b>	90°	74°	42°	32°	22°	15°	81.2°-43.6°	62°-30°	29°-13°
<b>Vertical</b>	67°	55°	32°	24°	17°	11°	65.5°-33.4°	48.5°-22.6°	21.7°-9.7°
<b>Relative F-stop</b>	F2.0	F2.0	F2.0	F2.0	F2.0	F2.0	F1.5	F1.5	F2.0

Compatible with the Modular Camera System.

## Ordering Information:

**1**  
choose your  
**housing**

- ✓ V28CC (Coax)
- ✓ V28CT (UTP)
- ✓ V28RC (Coax)
- ✓ V28RT (UTP)
- ✓ V28RF (Fiber)
- ✓ V28SC (Coax)
- ✓ V28ST (UTP)
- ✓ V28FC (Coax)
- ✓ V28FT (UTP)
- ✓ V28GC (Coax)
- ✓ V28GT (UTP)
- ✓ V28PC (Coax)
- ✓ V28PT (UTP)

**2**  
choose your  
**camera**

- ✓ MGB100 (B/W STD Res.)
- ✓ MGB600 (B/W High Res.)
- ✓ MGC100 (Color STD Res.)
- ✓ MGC600 (Color High Res.)
- ✓ MGE100 (EXview™ STD Res.)
- ✓ MGE600 (EXview™ High Res.)
- ✓ MGD100 (True Day/Night STD Res.)
- ✓ MGD600 (True Day/Night High Res.)
- ✓ MGW600 (Wide Dynamic High Res.)
- ✓ MGWD600 (Wide Dynamic True Day/Night High Res.)

**3**  
choose your  
**lens**

**Fixed Lens**

- ✓ QL029 (2.9 mm)
- ✓ QL036 (3.6 mm)
- ✓ QL060 (6.0 mm)
- ✓ QL080 (8.0 mm)
- ✓ QL120 (12 mm)
- ✓ QL160 (16 mm)

**Variety Pack**

- ✓ QLV4 (2.9, 3.6, 6.0, 8.0 mm)

**Vari-focal Auto-iris**

- ✓ QLAV1 (4.0-9.0 mm)
- ✓ QLAV2 (2.8 - 6.0 mm)
- ✓ QLAV3 (9.0 - 22.0 mm)

### Notes:

- V28R only
- If using a DC power supply, we recommend using 15 VDC
- Light sensitivity based on fixed lens and clear dome. Using a Vari-focal Auto-iris lens will increase light sensitivity. Half tint dome reduces light sensitivity by 54%
- Can only be used with Vari-focal Auto-iris Lenses

### Patents:

Quick change lens mount #2,281,190 Canada / #09/386,506 USA  
Dome housing pending Canada / pending USA  
Ornamental design pending Canada / pending USA  
Tamper Proof Screw pending Canada / pending USA

IP66 UL50, UL2044 Applied for V28F, V28G and V28P. Approved for V28C, V28R and V28S.

[www.silentwitness.com](http://www.silentwitness.com)

Please refer to our website for the most current technical specifications.

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