

VISTA

SUPERIOR LONG-RANGE MWIR SERIES



Cutting-edge, cooled mid-wave infrared technology inside an IP67 housing, the Vista camera series offers stunning image quality and clarity for demanding long-range thermal imaging applications.

DETAILS

With IP67 and MIL-STD-810F ratings, Vista is designed for all-conditions, around-the-clock operation in critical applications when smooth zoom and focus, reliable operation and crisp imagery are essential. The Vista SD 300, 550 and 785 models are equipped with a cooled, 640 x 512 focal plane array detector, while the HD 785 features a larger 1280 x 1024 detector for more pixels on target and sharper imagery at extreme distances.

Vista's detector is optimized for spectral response in the mid-wave infrared spectrum, commonly considered the best technology for imaging in variable, marine and high humidity environments. In addition to its rugged housing, the unit is sealed and dry nitrogen backfilled to further ensure consistent and quality imagery in a range of environmental conditions.

APPLICATIONS

- + Superior long-range imaging
- + Around-the-clock operations
- + Manned, unmanned vehicles
- + Asset/infrastructure protection
- + Port, airport, border security
- + Security & surveillance
- + Long-distance DRI



- + 300, 550, 785 and 785HD models
- + IP67 and MIL-STD-810F rated
- + Cooled MWIR delivers superb imagery
- + Motorized continuous optical zoom
- + 1280 x 1024 resolution in HD model



Imaging distance: 6 km, 785HD



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EXPORT CLASSIFICATION: DUAL USE

FEATURE SPECS

DETECTOR



| | Array Format | Pixel Pitch | Spectral Response |
|-----------|--------------|-------------|-------------------|
| 300 mm | 640 x 512 | 15 Micron | MWIR |
| 550 mm | 640 x 512 | 15 Micron | MWIR |
| 785 mm | 640 x 512 | 15 Micron | MWIR |
| 785 mm HD | 1280 x 1024 | 10 Micron | MWIR |

ENVIRONMENTAL



| | Size (length) | Sealed/Rating |
|-----------|---------------|---------------|
| 300 mm | 39.05 cm | IP67 |
| 550 mm | 47.94 cm | IP67 |
| 785 mm | 64.5 cm | IP67 |
| 785 mm HD | 64.5 cm | IP67 |

SYSTEM



| | |
|---|---|
| IP Video Output | PAL/NTSC/SD-SDI, IP (optional) HD-SDI on HD only |
| Camera Control/Command Interfaces/System Control | RS-232/422 serial interface IP (optional) |

LENS MODELS



| | FOV | F# | FOCUS | Optical Zoom |
|-----------|---------------|-----|-------------------|--------------|
| 300 mm | 32° to 1.8° | 4.0 | Autofocus, Manual | 18x |
| 550 mm | 18° to 1° | 4.0 | Autofocus, Manual | 18x |
| 785 mm | 12° to 0.7° | 4.0 | Autofocus, Manual | 18x |
| 785 mm HD | 16.6° to 0.9° | 4.0 | Autofocus, Manual | 18x |

