



PORTABLE, LONG-RANGE

Range-Gated Surveillance Camera 

ARGC-750

THE ARGC-750 NIGHT VISION CAMERA was especially designed for perimeter and border surveillance. The ARGC-750 can be deployed as a standalone system or easily integrated with radars, VTS or thermal imagers. This portable camera allows human identification at distances up to 1 km and license plate reading beyond 500 m. Thanks to its operation in the near-infrared, this system also provides the capability to see through glass where the thermal imager is useless.

APPLICATIONS

- PERIMETER AND BORDER SURVEILLANCE
- HIGH VALUE ASSET PROTECTION
- PORT SECURITY
- FORCE PROTECTION

FEATURES

- PORTABLE
- ACTIVE RANGE-GATED TECHNOLOGY
- MULTIPLE SENSORS
- EASY INTEGRATION
- NARROW-TO-WIDE CONTINUOUS ZOOM TELESCOPE
- RUGGED, IP-65 ENCLOSURE
- STANDARD ANALOG VIDEO OUTPUTS
- STANDARD CONTROL CONNECTIONS
- OPTIONAL INTEGRATED THERMAL IMAGE

BENEFITS

- Fast deployment in the field on a common tripod
 - Read markings
 - Identify individuals
 - Reject parasitic light in the field of view,
 - See through glass, windshields, etc.
 - Perform in bad weather conditions,
 - Detect optical sights
 - Natural, contrasted images
- Day and night operation through the same main telescope
 - Slaves to any detection systems: radars, VTS or thermal imagers,
 - Integrates with digital video recorder systems
- Easy target tracking
- Waterproof, resists chemicals, salt spray environments
- Easily connects to legacy networks or common monitors
- Ethernet cable, TCP/IP protocol
- Detection capability inside the same unique enclosure, uncooled thermal imager

STRIKING VIDEO IMAGES

ACTIVE RANGE-GATED CAMERA



THERMAL IMAGER



330m

ARGC-750 SPECIFICATIONS

MOTORIZED ZOOM TELESCOPE

Optical magnification ⁽¹⁾	Up to 75 times
Field of view (horizontal)	0.5° to 10°
Aperture	100 mm

RANGE-GATED INTENSIFIED CCD CAMERA

Sensor type	Custom variant of Gen III Intensifier Tube
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DALIS™ (DIODE ARRAY LASER ILLUMINATION SYSTEM)

Wavelength	808 nm (optional 860 nm)
Beam divergence	Slaved to FOV of zoom telescope
Average power (typical)	7.5 W
Cooling system	Thermo-electrically air-cooled

COLOR CAMERA

FOV	Same as the main telescope (0.5° to 10°)
Min. illumination	2 lux (typical)
AGC	Continuous

CONTROL AND VIDEO DISPLAY TERMINAL

Number of effective pixels	EIA: 659 x 494 pixels, CCIR: 782 x 582
Graphical user interface	Touchscreen: 1024 x 768 pixels

COMMUNICATION

Command and control	Ethernet (TCP/IP)
Video output	Multiple direct buffered outputs, 75 Ω

ENVIRONMENTAL

IP rating	Designed IP-65
Operating temperature	-20°C to 40°C
Storage temperature	-20°C to 60°C

PHYSICAL AND ELECTRICAL

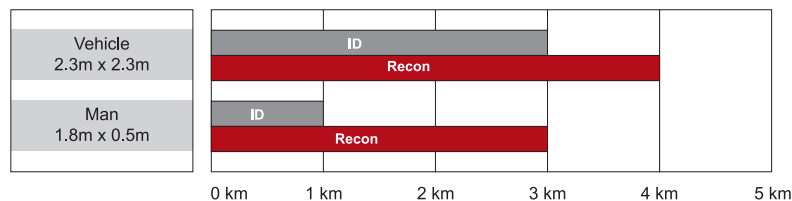
Weight	22 kg
Dimensions (L x W x H)	55 x 35 x 21 cm
Power supply	100 - 240 VAC, 47 to 63 Hz
Power consumption	<165 W

OPTIONS

WFOV color camera OR	1.7° to 42°
Thermal imager	Uncooled microbolometer
Pan & tilt with joystick	
Electronic stabilizer	
Extended operating temperature range	Day: TBD Night: TBD

⁽¹⁾ Compared to a SLR 35 mm camera with a 50 mm focal length lens.

PERFORMANCES



ARGC-750: range performance with NFOV

Официальный представитель в России:



ЗАО «Мир Диагностики»
 125212, г. Москва, ул. Адмирала Макарова, д. 8.
 Тел.: +7 (495) 921-29-42, факс: +7 (495) 921-29-43
 E-mail: diaworld@diaworld.ru
 Web: www.diaworld.ru