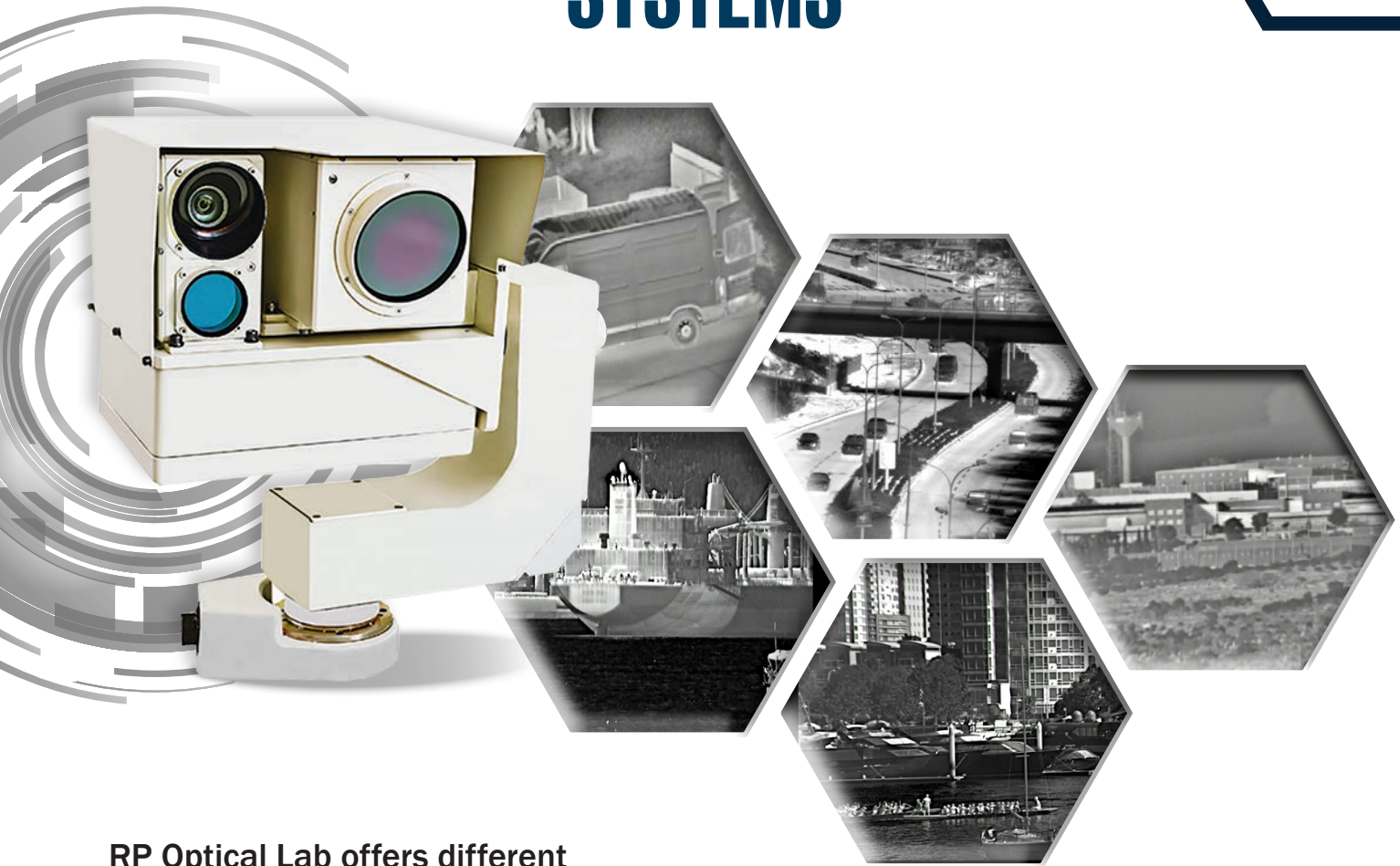
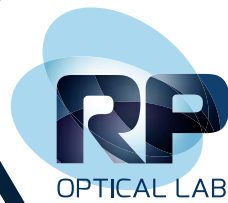


MULTI-SENSOR SYSTEMS



RP Optical Lab offers different configurations of the Multi-Sensor systems at top of the line performance levels for border, coastal surveillance, and critical infrastructure protection.

MULTI-SENSOR SYSTEMS TYPICALLY CONTAIN:

- Thermal imaging camera, cooled MWIR or uncooled LWIR spectral range. Multiple zoom lens options are available.
- Day camera with multiple sensor and lens types
- Laser Range Finder (LRF) unit
- Pan/Tilt unit with different performance levels
- EDB - Electronic distribution unit
- DMC- Digital magnetic compass (optional)
- SWIR camera (optional)

RP assists you to select the best combination of EO modules for your need.

KEY BENEFITS:

- Continuous zoom with motorized automatic & manual focus
- Multiple choice of In-house cooled & uncooled thermal imagers, in VGA or HD resolutions.
- Image enhancement including local DRC with zero optical artifacts
- Fully remote controlled
- Modular design enabling easy maintenance
- Ruggedized construction, IP-66, MIL-STD
- Analog RS422/232 or Digital control via Ethernet
- Accurate eye-safe laser range finder (LRF)
- 2-Axis Gyro-Stabilization (Optional)
- GPS, providing accurate system position
- Up to 30km range.

MULTI-SENSOR SYSTEMS



ZCV Day camera

- Sensor type – $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$ " or HD
- Lens – Continuous zoom up to 1680mm
- Wide/Narrow FOV - From 31° up to 0.2°
- Illumination minimum- 1.4-0.6lux
- Image stabilization

LRF- Laser Range Finder

- LRF Type- Eye safe (WL 1.535 microns)
- Measuring Resolution- 5m at 2 sigma distributions.
- Range- from 75m up to 20KM
- Fast rate of changing

Pan & Tilt module

- Pan range - continuous Nx 360°
- Tilt range - from -80° up to $+80^\circ$
- Angular accuracy - better than 0.02°
- Azimuth/Elevation speed - 40/30 Deg/Sec
- 2 AXIS stabilization (optional)

THERMAL CAMERA OPTIONS

LRC3Z SD - MWIR 3-5 μ m cooled 640*512*15 μ m CZ system

Lens	Focal length	HFOV		F#
		Wide	Narrow	
ODEM	15-330mm	36.7°	1.67°	4.0
ODEM460	25-460mm	21.7°	1.2°	4.0
ODEM600	30-600mm	18.2°	0.9°	4.0
ODEM725	35-725mm	15.2°	0.77°	4.0
ODEM825	38-825mm	14.4°	0.65°	4.0
DIAMOND	18-435mm	29.8°	24°	5.5
DIAM870	36-870mm	15.2°	0.64°	5.5
DIAM1075	45-1075mm	12.2°	0.5°	5.5
DIAM1415	60-1415mm	9.15°	0.4°	5.5

LRC3Z-HD - MWIR 3-5 μ m cooled 1280*1024*15 μ m CZ system

GARNET	30-400mm	35.5°	2.8°	3.0-4.0
PARAGON	20-490mm	51°	2.2°	4.7

ORCHID - LWIR 8-14 μ m uncooled 640*480*17 μ m CZ system

CEDAR	15-100mm	43°	6.15°	1.4
DEKEL	25-145mm	21.7°	16.4°	1.4
KEW	24-225mm	24.3°	2.8°	1.5

*** All values are nominal: to within +/- 5%