

READ THE LIGHT



LASER BEAM
MEASUREMENT

MIR 
by Gentec-EO

POWER MEASUREMENT APPLICATIONS



LOW POWER
(below 1 W)

Bar-code readers
Micro-machining
Semi-conductor



MID POWER
(1 W to < 1 kW)

3D Printing
Plastic welding
Engraving



HIGH POWER
(> kW)

Fiber laser manufacturer
Metal welding/cutting
Directed energy



LASER BEAM
MEASUREMENT

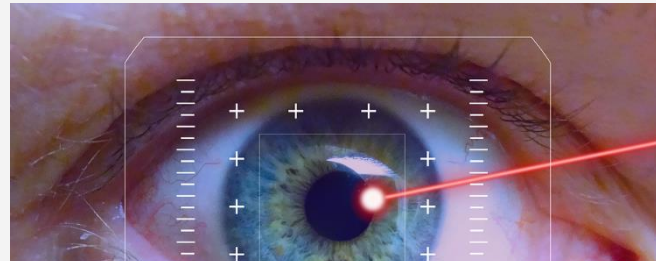
MIRO
by Gentec-EO

ENERGY MEASUREMENT APPLICATIONS



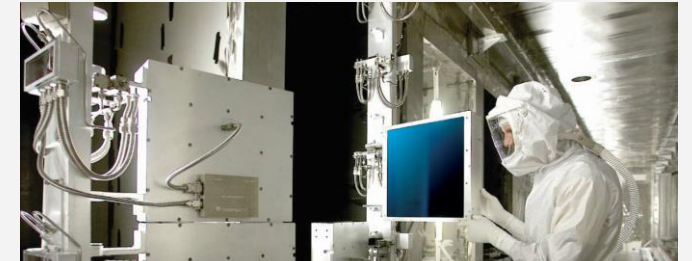
LOW ENERGY
($< \text{few mJ}$)

Depth sensing
Telecommunications
Spectroscopy, cytometry, etc.



MID ENERGY
(few mJ to few J)

Medical (ophthalmology,
dermatology, urology, ...)
Materials processing



HIGH ENERGY
(J and kJ)

Fundamental research
(inertial confinement,
nuclear physics, etc.)
Laser source dev.
IPL



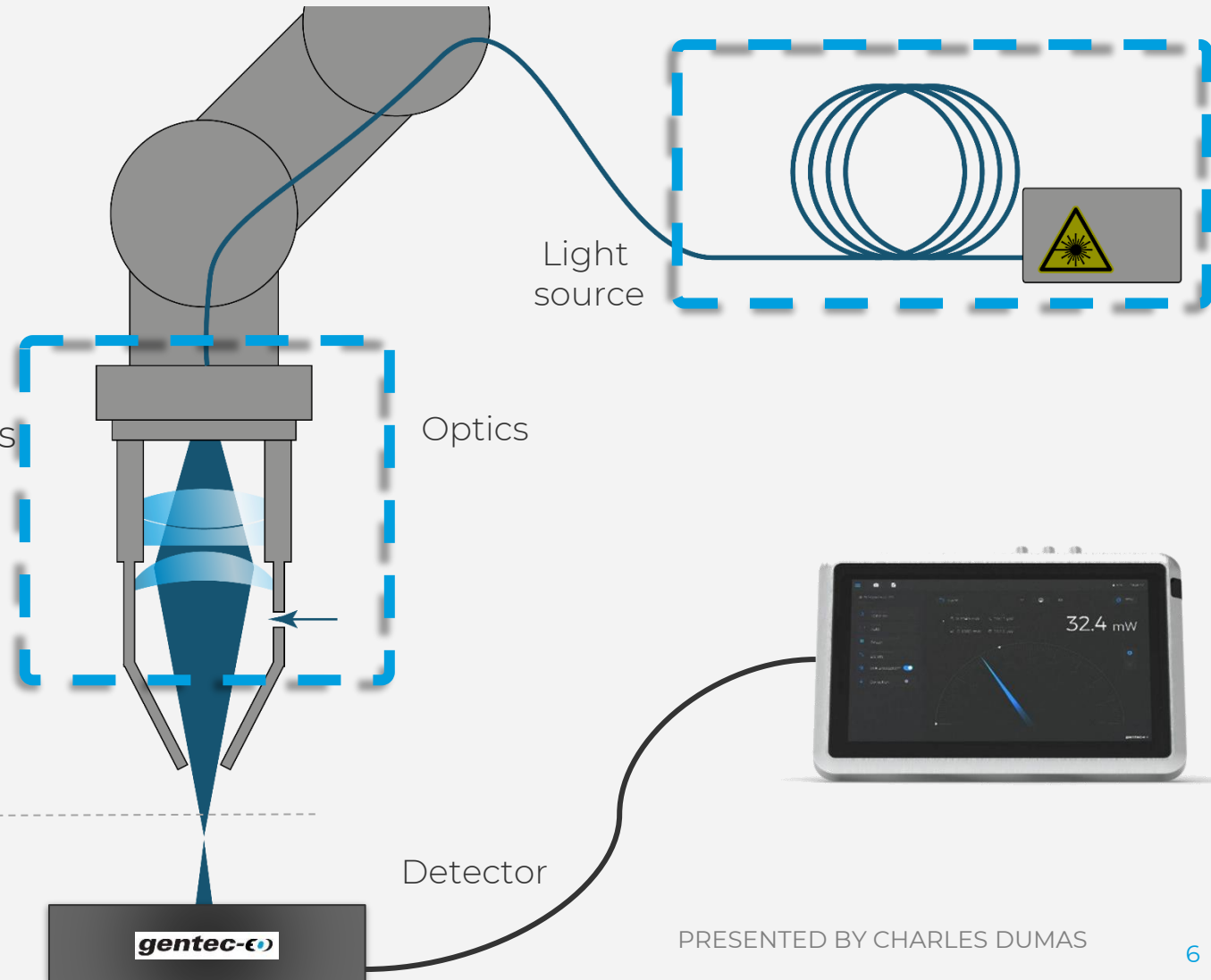
LASER BEAM
MEASUREMENT

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MONITORING LASER POWER OR ENERGY SAVES COST

- Process compliance
- Production feedback loop
- Monitor 24/7 operations
- Safety around enclosures
- Compliance to quality standards
- Allows for additional measurements (power density)



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MEASUREMENT

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LASER BEAM
MEASUREMENT

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MIRO ALTITUDE

INTUITIVE USER INTERFACE

- 3 display modes:
 - Scope chart
 - Needle display
 - Bar graph
- Direct access to detector parameters
- Statistics always shown
- Play back logged data
- Screenshots

POWERFUL SOFTWARE

- Modern Quad-core processor
- Lots of on-board storage



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MIRO  **ALTITUDE**

LARGE TOUCHSCREEN DISPLAY

- 10" (25.6 cm) diagonal
- High resolution
1280 x 800 pixels
- Multi-touch capacitive screen
- Anti-glare, anti-fingerprint glass



SLEEK PROFILE

- Durable, unibody metal casing
- Only 36 mm thin
- Modern design

READ THE LIGHT



LASER BEAM
MEASUREMENT

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MIR **ALTITUDE**



READ ALL DETECTORS

- DB15 connector
- Power detectors (UP, PH and XLP series)
- Energy detectors (QE and PE series)

READ THE LIGHT



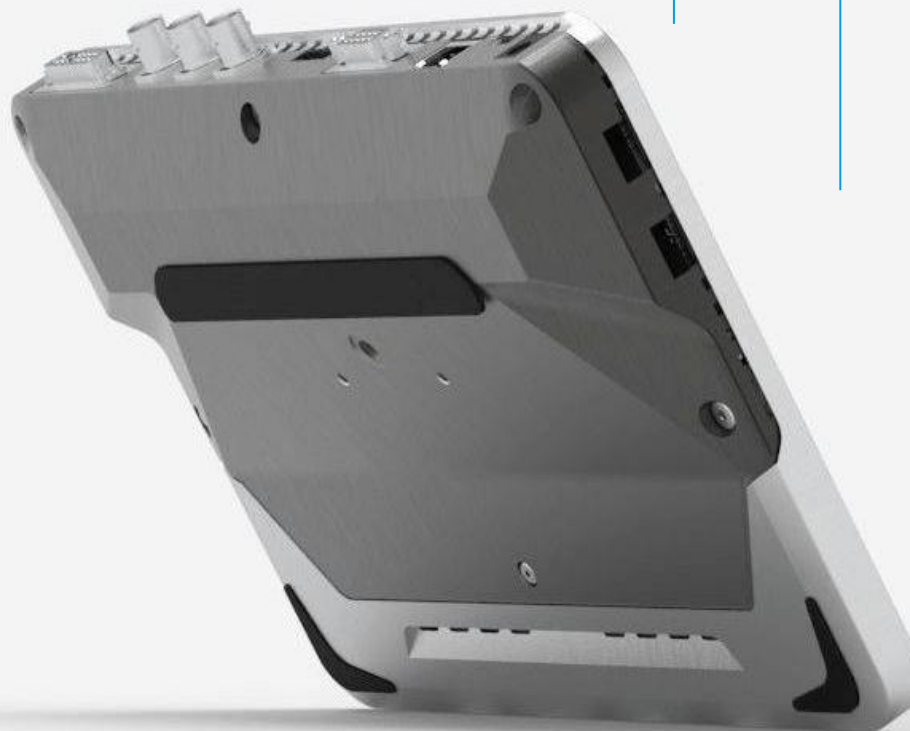
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MIRO ALTITUDE

TRANSFER YOUR DATA

- USB-C to computer
- USB-A to USB drive



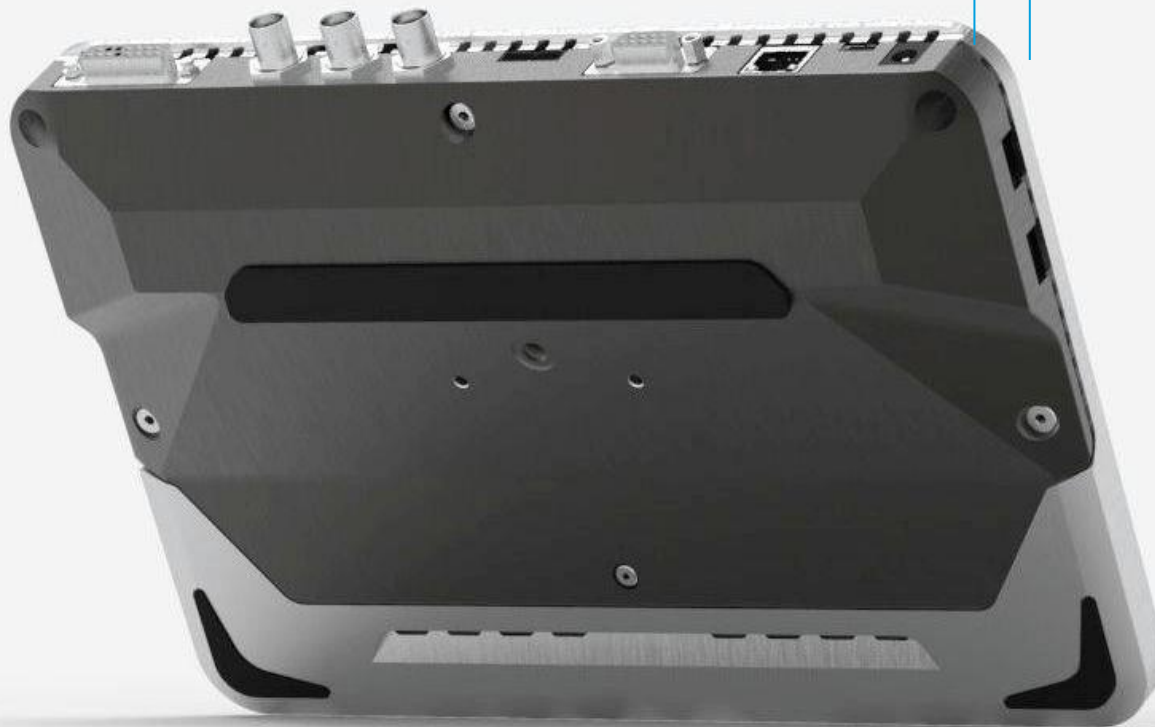
READ THE LIGHT



LASER BEAM
MEASUREMENT

MIRO
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MIRO  **ALTITUDE**



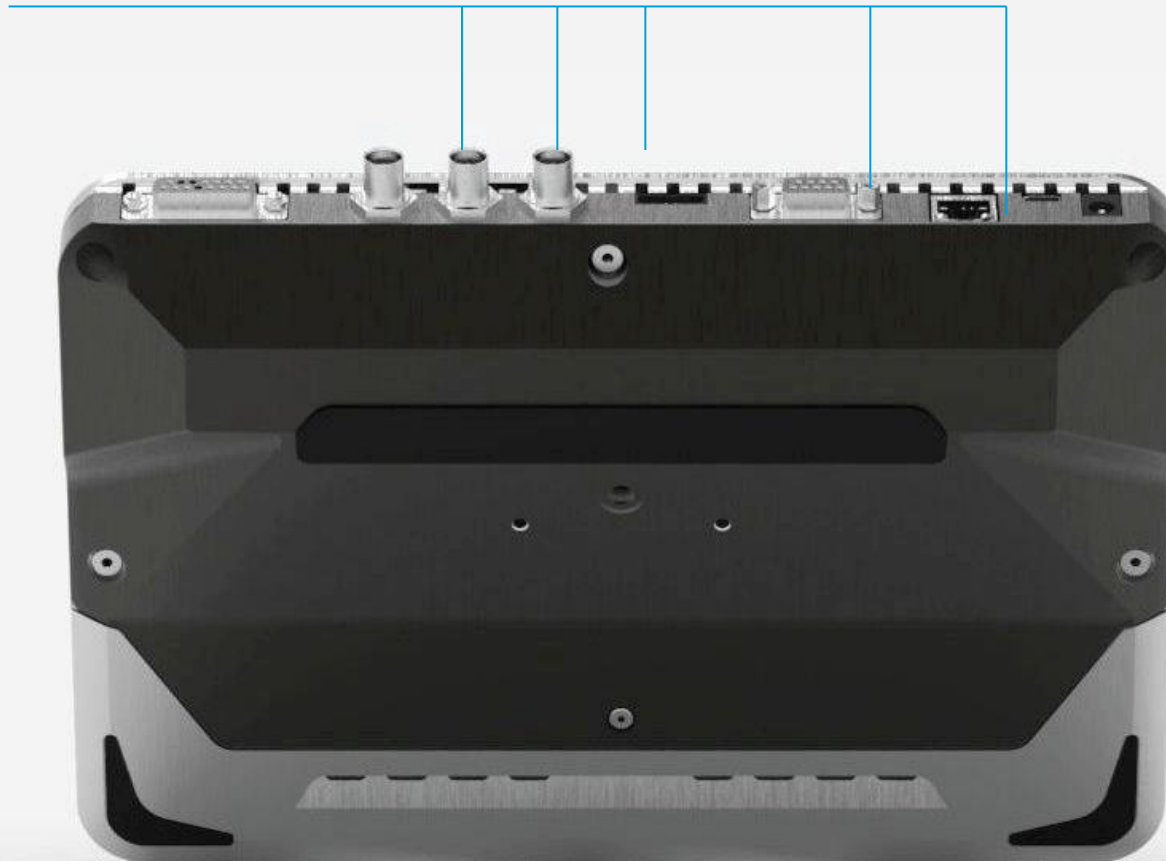
LONG BATTERY LIFE

- 6 hours at full brightness
- Recharge via :
 - USB-C, or
 - Barrel jack, 9 – 24 V



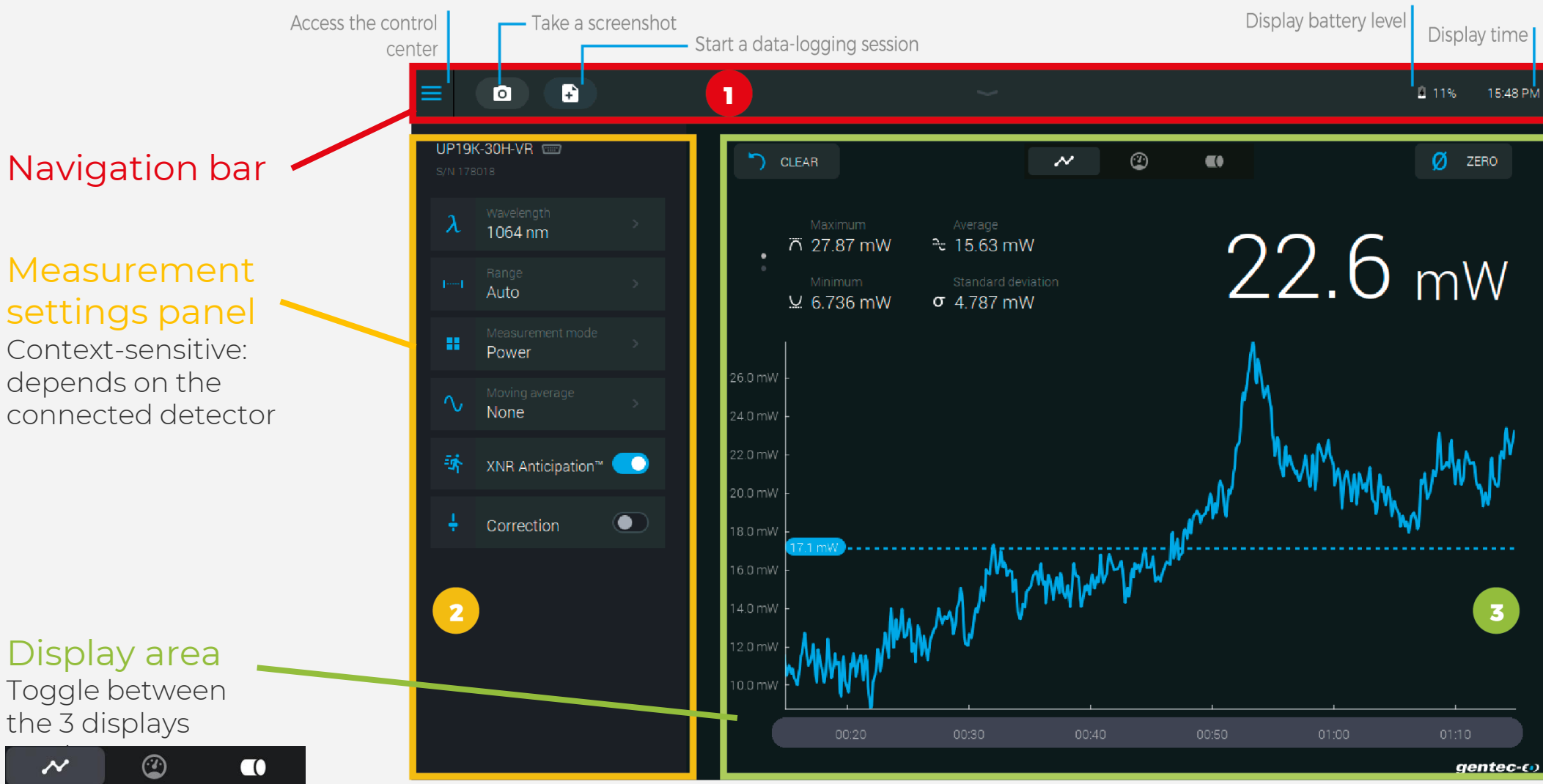
MULTIPLE OUTPUTS

- 3x BNC:
 - Analog out, 0-5 V
 - External trigger
 - Sync out
- RS-232, via DB9
- Gigabit Ethernet
- Programmable I/O (coming soon)





INTUITIVE USER INTERFACE



DIFFERENT MEASUREMENT MODES



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PLAYBACK & STATISTICAL ANALYSIS



PRESENTED BY CHARLES DUMAS

READ THE LIGHT



LASER BEAM
MEASUREMENT

MIRO
by Gentec-EO

MIRO : ONLY THE BEGINNING

New features are coming
No licenses or seat or annual subscription
No surprise cost.
Support is free and will always be free

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