

Murraypro

The whole picture

TV Eye

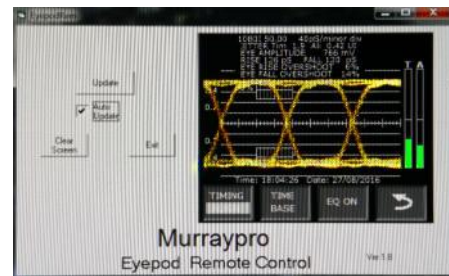
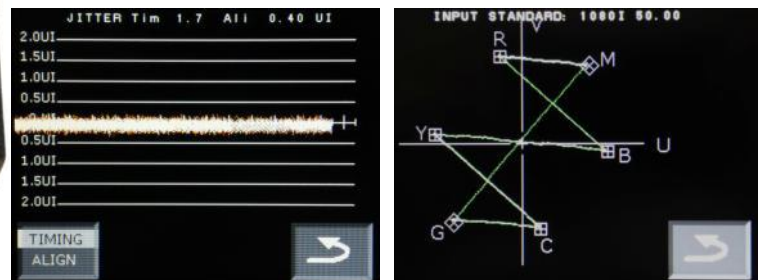
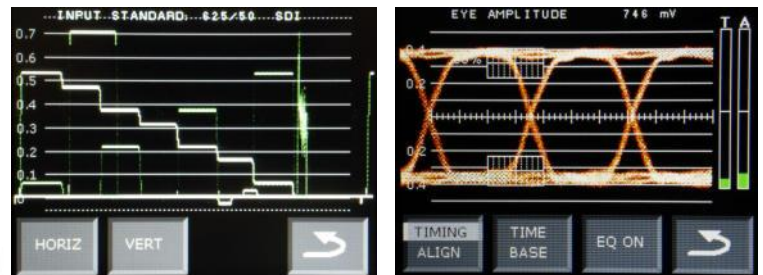
SDI Analysis



TV Eye brings Speed & Multifunction Versatility to SD~3G SDI Analysis

Flexibility with Confidence

- * SD ~ 3G SDI auto-range
- * Eye envelope waveform
- * Jitter Analysis to SMPTE
- * Jitter violation Alarm
- * TV Picture mode
- * Video WFM measurement
- * Colour Vector analysis
- * 2 & 16 Ch audio Histogram
- * Stereo loudspeakers with...
- * Hi-Fi headphone over-ride.
- * Li-Po rechargeable battery
- * 1+ Hour battery endurance
- * Intuitive touch controls
- * Compact and self-contained
- * Robust metal case.



Unveiled at NAB '16, **TV Eye** became an instant hit with Visitors to the Murraypro Booth, where the unit's impressive functionality coupled with it's robust and compact format made it an immediate attraction.

Housed in a bijou hand-held case only 140x120x35mm, and weighing in at less than 600 Gm (5.5"x4.5"x1.5" @ 1lb) **TV Eye** draws on the instant start technology of **Test Chest** (it's big brother) to fully power up from cold in under 1 second!

When fully charged, Users can expect around 1 hour of continuous run time from the internal Li-Po battery. Operational service endurance is often much longer than that, as the instant boot-free startup means that **TV Eye** can simply be switched off when not required immediately.



Touch navigation

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6/6 EYE FALL OVERSHOOT 14%
5/6 EYE RISE OVERSHOOT 7%
4/6 RISE 164PS FALL 187PS
3/6 EYE AMPLITUDE 830 mV
2/6 JITTER Ali 0.21 Tim 0.13UI
1/6 100PA 80.00 20PS/minor div

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SDI measurements are automatic

New Users will find **TV Eye's** intuitive touch controlled menu structure immediately promotes total confidence and is quick and easy to use. So, **NO** 'soft' keys, steep learning curves or special training are required to use this instrument!

TV Eye sports a 3.5" touch LCD, with the primary operational modes just a single key stroke away, and configuration set-ups only a second key tap away, **TV Eye** easily satisfies its design brief of being ultra-fast and easy to use ~ We just can't emphasise enough just how fast this Unit is to use, more like a multimeter than anything else!

This petite Analyser supports a wealth of modes and just like it's sibling, sprints into measurements for Eye, WFM, Vector and SMPTE Jitter. TV images too are crisply presented on the LCD (with audio too), and Jitter or stereo audio level histograms may be added too, as shown in the photo overleaf. Simultaneous 16 Ch audio metering is provided, with the speakers selectable to any stereo pair. Headphone muting is fully supported, making the **TV Eye** ideal for signal chasing.

The LCD declares the IP standard on a banner, whilst in all modes an Alarm continuously monitors for Jitter violations, and with tolerances matched to the detected TV standard. The Eye display also presents Timing & Alignment Jitter histograms, whilst simultaneously performing a series of automatic envelope measurements.

The **TV Eye** can be remotely controlled via it's front panel USB port, and Screen data may be transferred to an external PC for subsequent analysis or printing.

So, **TV Eye** gives you *more* than you expected, and for *less* than you thought!

Harmonised Tariff: 90304000

EORI: GB 225 9960 35 000



TV Eye-1V0

Designed and manufactured in the UK by

Supplied by

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Specification

(Subject to revision)

Picture monitor only.
 Picture + Audio histogram.
 Picture + Jitter histogram.
 Vectorscope.
 WFM with H, V modes.
 2~16Ch 'Embedded audio' histogram.
 Stereo LS with Headphone muting.

EYE Display

'RAW' & Equalised Eye display modes.
 3E, 10E and Frame related EYE timebase.
 On-screen auto-measurement banner.
 Graticule scale in mV, with rise/fall time markings.
 X shift via LCD touch panel.

Jitter Display

High Pass Filters per SMPTE 292M.
 Alignment Jitter Spec < 0.2 UI, all Standards.
 SD Timing Jitter Spec < 0.2 UI.
 HD Timing Jitter Spec < 1.0 UI
 3G Timing Jitter Spec < 2.0 UI
 Graticule scale in UI units, SMPTE limits shown.
 Jitter error WFM with Frame timebase.
 DUAL Histogram displays 'Timing' & 'Alignment Jitter'.
 Graticule shows SMPTE Specification limits.
 Red LED Alarm signals tolerance violation.

Auto-measurements

- 1) Detected standard & display timebase declared.
- 2) Timing and Alignment Jitter declared.
- 3) Envelope amplitude declared.
- 4) Envelope rise & fall times declared.
- 5) Envelope \pm overshoot on positive going edge.
- 6) Envelope \pm overshoot on negative going edge.

Size: 140x120x35mm @ 570Gm

Battery: Li-Po 1 H+ endurance. Intelligent Charger.

Ext Pwr: 12V @ 1A. Run, recharge/float charge.

2 pin locking Lemo.

Phones: 30R stereo 3.5mm socket.

IP: BNC input connector, recessed for protection.