MSolutions **MS-TestPro**

The worlds only HDBaseT[™] Certified Tester

The MS-TestPro is an all-inclusive, comprehensive HDBaseT[™] diagnostics tool that enables any AV integrator to carry out start-to-finish analysis of entire HDBaseT[™] systems in the field, providing detailed results and certification documents for clients. HDBaseT[™] monitoring, logging, full signal diagnostic functionality, and a built-in HDMI test pattern generator, the MS-TestPro provides vital cable infrastructure testing with unrivalled troubleshooting capabilities for the integrator. For our partners the MS-TestPro becomes an indispensable tool that saves their business significant time and money on any HDBaseT[™] installation.



178mm

Key Features:

- The ONLY HDBaseT™ certified tester in the market
- Effortless certification for 4K infrastructure in 10 seconds or less
- Certify new and existing cabling infrastructures for use with HDBaseT[™] equipment
- Mains / battery powered with 4 hours testing off a single charge
- Military certified (optional) No Wi-Fi connection on board
- Easy to use integrated video guides and user manuals
- Log-file analysis provided by an MSolutions professional
- Free firmware updates allowing for new features to be added
- Expansion modules available to include: DC Resistance testing, HDMI cable testing, HDBaseT[™] spec 2.0, and, AV over IP testing
- MS-TestPro is available in two versions:
 - MS-104B with HDMI pattern generator 4K 4:2:0 60
 - MS-106B with HDMI pattern generator 4K 4:4:4 60



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| | Per | formance | | |
|----------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--|
| | | | TX RX | |
| | | -A0.85 -80.85 -00.85 | 15 15 15 15 15 15 15 15 15 15 15 15 15 1 | |
| Performance | | | A (0.85) B (0.85) C (0.84) D (0.85) | |
| | TX EX | | | |
| | 0000 | | Pixel Clock 297 MPixel, 4k/30hz or equivalent | |
| | viand sinno ciand sinno | | Chip Type VS100 | |
| A60 | | | Ethernet Not Supported | |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | 10 20 30 s | IR - Transmitter Not Supported | |
| | Pixel Glock 297 Millivet, KV/20tz or equivalent Ong Type V2100 | | IR - Receiver Not Supported | |
| | Ethenet Not Supported | | UART Supported | |
| | IR - Transmitter Not Supported | | Link Status HDBaseT | |
| | IR-Receiver Not Supported | and the second | | |
| | UART Supported | -A-1921-8-192-C-1921-0-1921 | System Mode Auto | |
| | Link Status HOBaseT | | Cable Length 92 meter / 301 feet | |
| W2((02)(0) -A1621-\$192-\$192-\$1921 | System Mode Auto | | Video Status Video On | |
| | Cable Length 92 meter / 301 feet | | HDCD | |
| | Video Status Video On HDCD | 8-1920.0 | - Vendor ID MSolutions | |
| -15.0 | - Vendor ID Milokations | a ma mana | - Device ID 0 | |
| | - Device ID 0 | | | |

Unrivalled & Unique Testing Performance

The graphical user interfaces of the MS-TestPro allows for both remote performance testing from a connected laptop, tablet or smart phone, along with the 3.5" full colour touch screen built-into the tester.

| 12:05 💷 (¶) | HDBa | | 26% |
|--------------------------------------------------------|---------------------|------------------------------------------|-------------------------|
| < | Perform | nance | |
| ТХ | x | Data | Config |
| | - A 0.82 | - B 0.82 - C 0.82 | - D 0.82 |
| | | | |
| 1.0 | | | |
| 0.8 | ~~~~ | | - |
| 0.6 | | | |
| 0 | 10 | 20 | 30 s |
| | | | |
| | | | |
| NGE ERR (UB) - A | -16.15 - B - | 16.15 - C -16.15 - | D -16.15 |
| -15.1 | -16.15 - B - | 16.15 - C -16.15 - | D -16.15 |
| -15.1 -15.5 | | | - D -16.15 |
| | | | - D -16.15 |
| -15.1 -15.5 -16.0 | <mark>A</mark> | -16.15 db | |
| -15.1 -15.5 -16.0 - | | | - D -16.15 |
| -15.1 -15.5 -16.0 | <mark>A</mark> | -16.15 db | 30 s |
| -15.1 -15.5 -16.0 -16.5 0 Active Profil | 10 | -16.15 db 20 | 30 s d > |
| -15.1 -15.5 -16.0 -16.5 0 Active Profil | 10 | - <mark>16.15 db</mark> 20 Standar | 30 s d > uivalent |

Performance Data

Live-stream monitoring of individual twisted pair performance over the HDBaseT[™] link allows for signal quality to be viewed in real-time

| < Pe | rformance |
|----------------------------|-----------------------------|
| TX RX | Data Config |
| Pixel Clock 297 M | /Pixel, 4k/30hz or equivale |
| Chip Type | VS10 |
| Ethernet | Not Supporte |
| IR - Transmitter Not Suppo | |
| IR - Receiver | Not Supporte |
| UART Supp | |
| Link Status | HDBase |
| System Mode | Au |
| Cable Length | 92 meter / 301 fe |
| Video Status | Video 0 |
| HDCD | |
| - Vendor ID | MSolution |
| - Device ID | |

System configuration

Active analysis of the link in place with feedback on various connectivity supported and in use over the link being tested

| 12:05 🖶 († |) HDB Log Ar | | 26% | |
|--------------|-----------------|--------|--------|--|
| | 00:00:00 | | | |
| | STA | RT | | |
| | | | | |
| Schedule | | | | |
| Specify Test | Duration | | | |
| 1 min | 5 min | 10 min | 30 min | |
| 1 h | 5 h | 10 h | 24 h | |

Log Analyzer

Long term HDBase™ testing capabilities allow for intermittent faults to be identified by analysing signals over extended periods of time



HDBaseT Certification

Run a full HDBaseT[™] certification test from the unit with live feedback, and the ability to save individual links tested in .pdf format

| 12:05 | (ŋ) HDBaseT 🔗 🗔 26% 📋 |
|-------------|-----------------------|
| < | Certification Details |
| Customer: | |
| Job Site: | |
| Cable Type: | |
| Operator: | |
| | |
| | |
| | |
| | Save |
| | Cancel |
| | |

Reporting

Save test reports into custom files for easy access post installation when compiling hand over documents for projects



| S | HDMI G | enerator | 101 |
|------------------------------------------------------|-------------|----------------|-------------------|
| Resolution | м | Ionitor suppor | t max 300MHz |
| 720p | 1080p | 4K | |
| Refresh | | | |
| 60.00 H | z 31 | 0.00 Hz | |
| Color Space | : | Color Dept | h |
| RGB | | 10bit | ~ |
| Pattern | - 14 | Addes | A Single Contract |
| Advanced Settings | | | |
| Picture Scalling OFF Enable 300M pixel compatibility | | | |
| Apply | | | |

HDMI Pattern Generator

Capable of generating a test pattern at a number of differing video resolutions/refresh rates, when no source device is available

^{*} Full testing displayed on any web browsing device such as a PC or tablet.