WST.HT – Compact Splice Tray
2U <u>Half Rack</u> module to carry up to 3 SMPTE connectors (18 cm depth)
EXCLUSIVELY DEVELOPED FOR LEMO

Description:

The new **WST.HT**-**Compact Splice Tray** offers users the ability to quickly and easily install a space saving and robust HD video bulkhead interface solution without compromising performance. Being modular by design, this versatile system can be easily configured to specific application requirements and therefore quick turn-around bespoke solutions can be easily supported.

The **WST.HT 2U Half Rack** cabinet uses a reduced depth of 18 cm while maintaining its full functionality.

With each system accommodating up to four *SMPTE 311M* hybrid fibre (HD) camera cables / *LEMO 3K.93C SMPTE 304M* bulkhead connector interfaces, it is ideal for mobile production and studio applications. By means of a portable automatic fusion splicer it can be field terminated, making it suitable for projects where application constraints prohibit the use of pre-terminated camera cables.

Key features:

- Compact, aluminum-magnesium alloy ENAW-5754 material chassis design with easy internal access
- A configurable modular construction which accommodates up to **three** LEMO EDW/FXW bulkhead connectors
- Designed for LEMO 3K.93C bulkhead connectors, factory terminated to internal LC fibre-optic and quick mate electrical connectors
- Inline internal breakout design providing uniform and optimized fiber bend radii across all terminals
- Design is suitable for **2U 19" Half rack** systems
- Common off-the-shelf components and sub-assemblies enabling easy system upgrades and field servicing
- Tested and certified by original manufacturer of 3K.93C SMPTE 304M connectors
- Durable powder coat finish in **RAL 9005** colour (black)

Mechanical specifications:

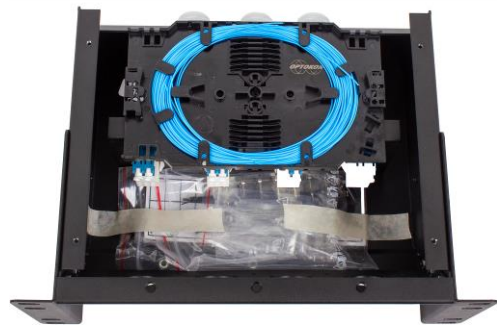| PART NUMBER	Fibre connector type	DIMENSIONS (H x W x D) mm	WEIGHT (kg)
WST.HT	LC-duplex, SC, E2	88 x 267* x 180	1.2 kg

* With both unit holders

Key benefits:

- Reduced application space requirements enabling simplified system level architecture
- Simplified installation process with integration being completed with basic fusion splicing and electrical crimping techniques
- Improved performance through factory terminated fibre-optic interface contacts and an optimised internal cable management system
- Reduced cost of ownership through higher product quality and improved protection levels
- Reduced manufacturing lead-times, as all solutions use common off-the-shelf component and subassemblies, configured to specific customer needs
- Reduced service costs through ease of access and reduced spares inventory requirements
- Reduced transport costs for overseas or mobile applications

WST.HT - Product overview:

Front view of WST.HT.Z3

Internal arrangement of WST.HT.Z3

Details of WST.HT:

WST.HT.Z3 – Detail of front panel

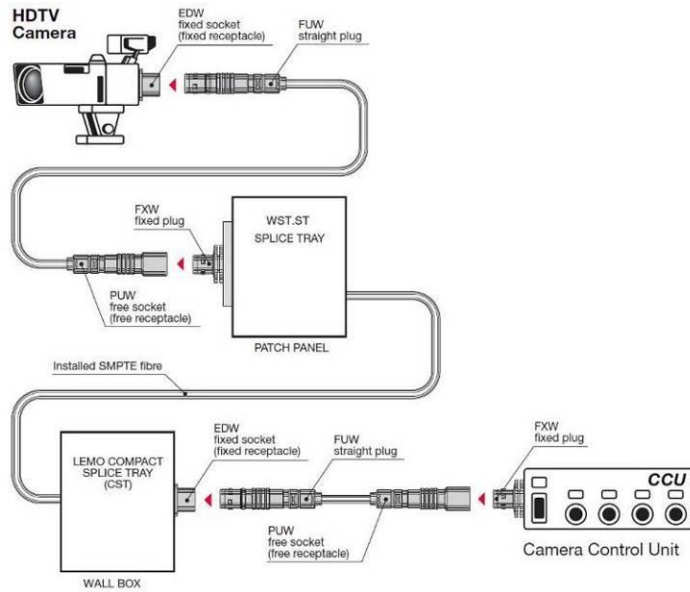*WST.HT - Detail of cable glands*

Example of types SMPTE connectors:

FXW 3K.93C plug

EDW 3K.93C socket

Application overview:

Ordering code:

WST.HT.   Xx   - XX(F)¹-X   - CX   - XM   - (xP)

Xx - Numbers of **FXW connectors (0 - 3)** **Zx -** Numbers of empty holes **without connectors (0 - 3)**	**Splice trays 0 - 2**	**X** – Numbers of **MATE-N-LOK connectors**	**x** – Numbers of cable glands

	Coupling Type		
DLC(F)	Duplex LC	**M**	Multi mode
SC(F)	SC	**S**	Single mode
E2(F)	LSH (E2000)	**A**	APC mode

*Note: 1) **F -** Fixed adaptors by screws*

Example of Ordering code:

WST.HT.X3 - Compact Splice Tray Half Rack loaded with 3 FXW connectors
WST.HT.X2 - Compact Splice Tray Half Rack loaded with 2 FXW connectors
WST.HT.Z3 - Compact Splice Tray Half Rack with 3 hole provision, no connectors loaded
WST.HT.Z2 - Compact Splice Tray Half Rack with 2 hole provision, no connectors loaded