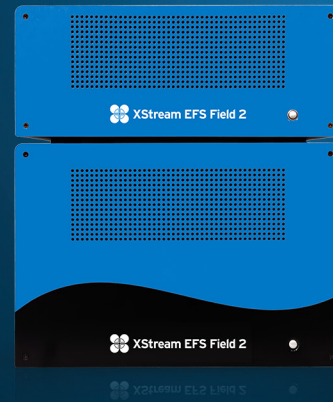# XStream EFS Field 2

High-performance shared storage for collaborative workflow on the move.

Small size - big performance

EFS Field 2 – our second-generation portable storage unit – is the perfect solution for situations where you need high-performance media and project sharing in a small, quiet box.

Designed to meet even the most stringent airline regulations for carry-on baggage, EFS Field 2 can travel with you wherever you go – providing an instant collaborative editing environment in a hotel room, on a film set, at a remote office, or in an ENG van.

The EFS Field 2 employs the EFS Native Client, an advanced, multi-threaded driver whose low overhead and latency provides Windows, OS X and LINUX workstations with exceptional performance. By supporting bonded Ethernet ports, it extends the usefulness of legacy 1G and 10G networks by supporting payloads in excess of the native network bandwidth. In addition, this allows the use of fault-tolerant MLAG protocols that eliminate switch-related single points of failure.

The EFS Field 2 has all the standard features you expect to find in EditShare's XStream shared storage models, including hardware RAID protection, enterprise HDD or SSD drives, media and project-sharing support for Avid, Final Cut Pro, Premiere Pro, and Lightworks, the EditShare Sync Tool™ for sending media to another EditShare system over the Internet – even scalability and expandability options.

A complete mobile post production environment

The rich feature set of the EFS Field 2 separates it from other portable storage solutions. In addition to providing an ultra-reliable, ultra-scalable high performance storage, it includes powerful applications to address the most common video production requirements.

The EFS Field 2 is equipped with Flow Production Asset Management to provide file-based ingest, logging, cataloging, searching, cuts-only editing and drag and drop to Final Cut Pro, Adobe Premiere and other NLE applications as well as provide web-based access via AirFlow and remote editing via Flow Story.

Ark Media Archive is also bundled with the EFS Field 2. It permits users to set up automatic tasks to backup critical media assets and to park unused assets in nearline disk and offline tape storage. Ark users can also restore backups from nearline and offline destinations.
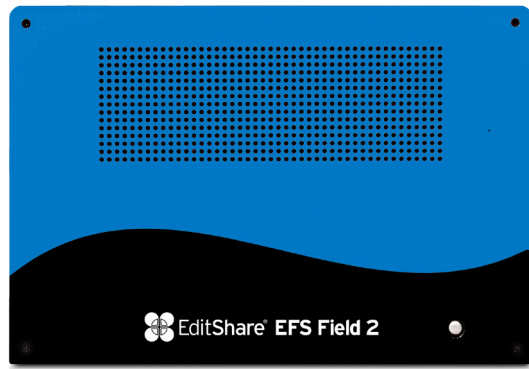
EditShare Manager is a comprehensive application that enables system administrators to manage users, permissions, quotas, workspaces, projects, reporting and other aspects of system usage. Like all members of the XStream EFS storage family, the EFS Field 2 never requires maintenance windows for tasks like defragmentation, storage expansion or software updates.

EditShare Connect is client software that enables collaboration between project members. It provides access to permitted media assets and workstations, it enforces read and write permissions, quotas and implements project sharing and bin locking.

An EFS Field 2 master node can support a small number of direct connected client workstations and can also host a tape library via an optional SAS HBA. A larger number of clients can be supported with the addition of an appropriate network switch.

The EFS Field 2 comes with 4 Gigabit Ethernet ports for direct connections to client workstations or laptops.

Other options include 10G and 40G network interfaces, SAS or Fibre Channel HBAs for Tape Libraries and a 2-channel SDI ingest card for capturing live signals.

XStream EFS Field 2

XStream EFS Field 2 Expansion

XStream EFS Field 2 Product Specifications

SERVER MODELS

EFS Field 2	Portable server with four 3.5" drives or eight 2.5" drives
EFS Field 2 Expansion	Portable expansion unit with four 3.5" drives or eight 2.5" drives

HARDWARE

Motherboard with powerful 4 core CPU optimized for I/O intensive applications
16 GB DDR4 - 2400MHz ECC High Speed RAM
2 x 1 GbE ports and dual port 1 GbE NIC*
Four 3.5" enterprise-class 7,200 rpm SATA 6Gb/s media drives in 2TB, 4TB, 6TB, and 8TB capacities; or eight 2.5" SATA SSD media drives in 960GB or 1.9GB capacity
12Gb/s Hardware RAID Controller
Mirrored 512GB SSD OS drives, hot-swappable, rear-accessible
RAID 5 standard, configurable to other RAID standards such as RAID 6
Battery-backed write cache protects against power outages

SOFTWARE

Ubuntu 64-bit Operating System
EFS Native Client driver for Windows, Mac OS and LINUX
Supports SMB, AFP and FTP protocols

ELECTRICAL

Dual Universal Input	100-240VAC
Input Frequency	50/60 Hz
Max Power Consumption	190W

ENVIRONMENTAL

Temperature	0°C (32°F) ~ 50°C (122°F)
Humidity	5% ~ 95% non-condensing
Typical Thermal Output	410-650 BTU/hr

DIMENSIONS

(Width x Height x Depth)	
Field 2	305 x 210 x 324 mm 12.0 x 8.25 x 12.75 in
Field 2 Expansion	305 x 102 x 324 mm 12.0 x 4.0 x 12.75 in

WEIGHTS

Field 2	11.34kg /25lbs
Field 2 Expansion	6.8kg / 15lbs

EditShare®