

Introduction to Clearview® Cassettes and xPAK



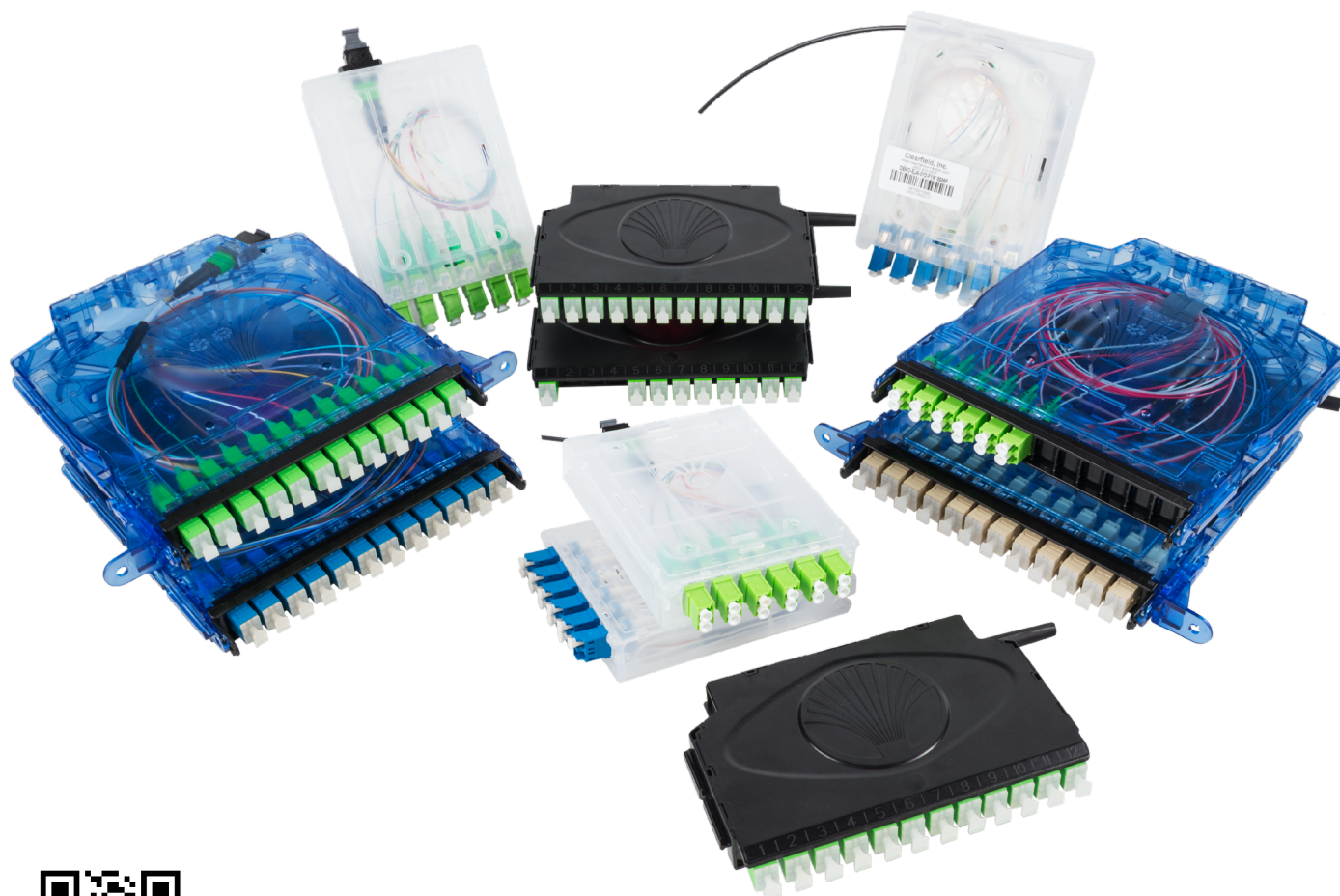
At the heart of everything we do is our patented Clearview Cassette. Clearview Cassette products offer a unique, single-architecture, modular fiber management platform designed to lower the cost of broadband deployment and maintenance. This is accomplished by consolidating, protecting and distributing incoming and outgoing fiber circuits, allowing our customers to scale their operations as their subscriber revenues increase.

Clearview Blue and Clearview Black, are the core building block of every product within the FieldSmart® fiber management system. At Clearfield®, we believe fiber management needs to be different. Rather than using a fixed approach, we take a modular approach. Utilizing the Clearview Cassette provides our customers a scalable and flexible architecture that can take you from the CO all the way to the demarc. To accomplish this objective, fiber management should be designed from “the inside out.”

FieldSmart is the only fiber management platform designed around a single architecture - the Clearview Cassette family of products. FieldSmart supports a wide range of panel and cabinet configurations, densities, connectors and adapter options for the inside plant, outside plant and access network. Customers benefit from Clearfield's innovative, scalable and modular designs that allow you to “grow-as-you-go.”

Clearfield's portfolio of cassette products can be configured for various applications. Patch only, patch and splice (Clearfield's in-cassette splicing solution), MPO, plug-and-play and passive optical components.

Delivering the most scalable fiber management platform in the industry, Clearfield ensures your investment in capital equipment grows alongside your take rates. With Clearfield, deployments are quicker, required inventories are reduced and technical training is virtually eliminated.



Clearview Cassettes

Introduction to Clearview[®]

Cassettes and xPAK

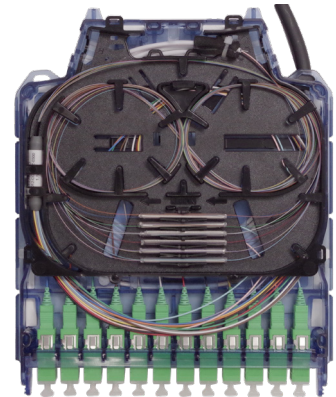


The Clearview Cassette building blocks are well suited for multiple applications in both inside plant, outside plant and access environments. For inside plant environments, high density solutions save floor space, which is always a goal in a central office, headend, data center and customer premise facility. In the outside plant environments, the Clearview Cassette can be deployed in OSP cabinets, pedestals, wall boxes and the FieldSmart[®] Makwa[™].

Configurations are available that support patch and splice (Clearfield's in-cassette splicing solution), patch only, MPO and optical component scenarios, allowing many different engineering configurations to be met using a single platform. A common platform used in multiple applications helps with technician training, making them ready to perform their work regardless of the installation environment. This saves time during initial installation, turn-up of new services or in critical repair situations.

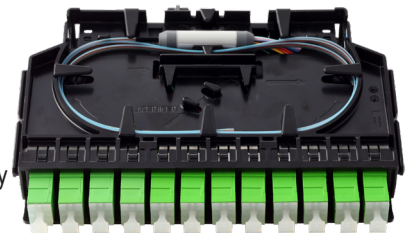
Clearview Blue

The small footprint of the Clearview Blue design minimizes space requirements thereby reducing the cost of deployment. Integrated slack management and cable routing provides for superior performance with minimal risk of fiber damage. It incorporates flexibility and scalability with configuration options supporting tool-less installation, in-cassette buffer tube/ribbon slack storage and front access only designs. Reducing the overall footprint of the fiber management element reduces real estate costs and improves density without compromising critical design elements of access, bend-radius protection, physical fiber protection, and route-path diversity.



Clearview Black

The Clearview Black Cassette is Clearfield's most compact building-block technology and retains the same cost saving features of Clearfield's current generation of cassettes, including modularity and scalability in increments of 12 fibers using industry standard SC and LC singlemode connectors. In addition, critical design elements of fiber access, bend-radius protection and route-path diversity have been maintained while occupying nearly 50% less overall size. The smaller packaging allows Clearview Black to be integrated into other Clearfield solutions like the below grade, FieldSmart Makwa. Clearview Black uses a tool free, snap-in-place mounting feature. With more and more non-specialized technicians being employed in the workforce, the scalable platform that provides the ability to "grow-as-you-go" without any installation tools is increasingly valuable.



xPAK

Engineered to land small port count fiber assemblies and optical components as conveniently and inexpensively as possible, the Clearview xPAK simplifies fiber management to the level of a consumable good. Clearview xPAK is single-piece element in which all required components for fiber protection are integrated. It is shipped flat and simply folds to shape.

The Clearview xPAK is a small footprint two, four, six or 12* port cassette. The kit comes equipped with a flat cassette, adapters, 2, 4, 6 or 12* fiber 900 μ m 1/2 meter assembly, splice sleeves, strain relief boot, grommet tape and zip ties.



* 12 port option only available as LC

Inspect and clean EVERY connector BEFORE inserting into adapter. See page 304 for cleaning instructions.