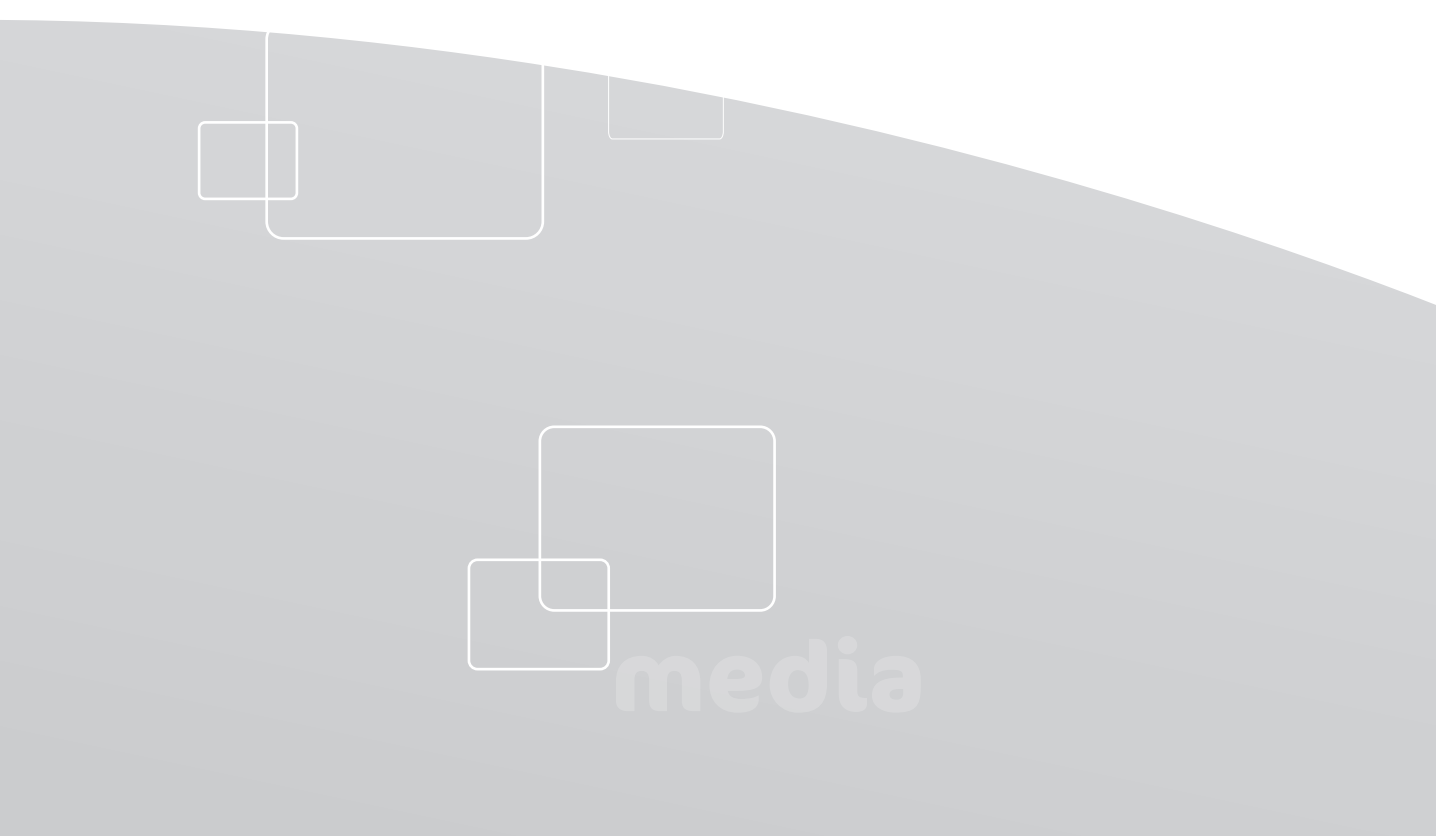


MINICOM
digital signage



ScreenGate™
IP Streaming



media

ScreenGate™

IP Streaming

The use of digital signage is increasing rapidly – and looks set to continue on the same upward trajectory. But that success brings with it challenges that must be overcome. First among these is cost: minimizing initial investment, keeping total cost of ownership low – and achieving economies of scale, such that doubling or tripling the size of a network does not mean doubling or tripling its cost. Not far behind comes the challenge of scalability: ensuring that the underlying architecture and technologies lend themselves to implementations from the smallest to the largest – and that allow the smallest to grow to the largest. A further challenge is quality: not just the reliable delivery of content that compels, but the technology that can prove that it has been delivered.

To meet these challenges, Minicom Digital Signage offers its ScreenGate™ IP Streaming solution. Part of Minicom's ScreenGate family, and supported by Minicom's unique, innovative ScreenGate Management Gateway (SMG), ScreenGate IP Streaming allows network operators to maximize network value by leveraging the inherent benefits of IP technology with its pervasiveness, its scalability and its cost-effectiveness.



ScreenGate IP Streaming rises to the challenges of cost, scalability and quality

Cost

Cost-effective implementation is possible because ScreenGate IP Streaming takes advantage of existing network infrastructure, minimizing initial investment. Use of pervasive WAN and LAN technology allows network operators to source cost-effective Commercial Off-The-Shelf (COTS) networking devices such as switches and routers. Leveraging existing network infrastructure means only one network to administer, not two – reducing the cost of management. Remote screen management – whether changing content in real time, switching a screen on or off or adjusting volume, brightness or contrast – allows on-site costs to be minimized.

Scalability

ScreenGate IP Streaming's use of IP technology means that content can be deployed via LAN or WAN – delivering the ultimate flexibility in network size, whether across a site or across the world.

Content can be distributed from one player to multiple displays, allowing the network to grow simply and organically. Wide availability of interoperable products such as set-top boxes, H.264 decoders and smart displays means that it is straightforward to configure a network of the optimum size.

Quality

ScreenGate IP Streaming supports HDMI and DP++ to allow the delivery of the highest quality content possible. Integration with ScreenGate Management Gateway delivers maximum network reliability uptime – while Minicom's unique Proof-of-Performance technology provides assurance of content delivery, and the ability to take corrective action in the event of errors. Support for H.264 allows content of the highest quality to be distributed – with minimum network overhead.



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SMG manages the infrastructure
SMG integrates with existing network

The ScreenGate IP Streaming Solution

ScreenGate IP Streaming is only one of several solutions from Minicom Digital Signage, which includes DS Vision Digital for uncompressed full HD digital media distribution and DS Vision 3000 for analog media distribution. It comprises two key elements: the ScreenGate IP Streamer and the ScreenGate IP Receiver. Both support full HD 1080p for the highest possible content quality, while real-time HD encoding/decoding provides a cost-effective alternative to IPTV systems for transmission, and to screen-based players for reception. Support of the latest media standards in HDMI 1.3a and DP++ is provided, while implementation of the H.264 codec represents the state of the art in terms of maximum quality/minimum bandwidth. RTP/RTSP and MPEG2 ensure optimum interoperability, while IGMP/Multicast deliver the efficient scalability that network operators demand. Wireless support – which can help minimize installation costs - is also possible with the use of a third party wireless module.

ScreenGate IP Streamer



The ScreenGate IP Streamer provides interoperability with IPTV set-top boxes (when integrated with SMG) to enhance total cost of ownership. A dual player input is provided by the ScreenGate Media Streamer for continuous playback, while a local player monitor port allows for presenter/administrator monitoring. When used in conjunction with SMG, remote players may be monitored.

ScreenGate IP Receiver



When used with ScreenGate Management Gateway, the ScreenGate IP Receiver provides monitoring of display media output – meaning that proof of display and end-to-end proof of performance are possible. Integration with SMG also allows displays to be remotely managed – a key contributor to reduced operating expense – while stream management allows for the changing of channel content. The ScreenGate IP Receiver also benefits from a robust industrial design to give it a high MTBF: a three year warranty is provided.


About Us:

As a leader in the Digital Signage industry, Minicom Digital Signage provides advanced media distribution and innovative management solutions based on cutting edge technology in order to reduce OPEX and enhance the value of Digital Signage networks.

Our mission is to offer network operators, integrators and distributors, media delivery and management solutions which allow the distribution of rich content from a player to multiple remote digital displays, and to offer advanced network management capabilities in order to bring the highest added value to the network at the lowest capital and operational costs.

With more than two decades of experience and offices and partnerships all over the world dedicated to providing solutions in video distribution and display management, as well as 400,000 screen displays powered in all types of verticals, Minicom Digital Signage is a recognized leader in providing innovative and comprehensive solutions to the ever-growing challenges of the Digital Signage industry.

Minicom Digital Signage Portfolio:

Portfolio- Minicom Digital Signage	Management Solution: ScreenGate Management Gateway			
	Media Delivery Solution:			
	A/VDS	DS Vision 3000	DS Vision Digital	ScreenGate IP Streaming
				



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