PUFFIN

✓ Compact Streaming Decoder

✓ HD-SDI Output supports SD and HD

✓ HDMI Output

✓ H.264/AVC and H.265/HEVC Video

✓ Live streaming input via UDP, RTMP, SRT

✓ Direct OTT Streaming input via HLS or MPEG-DASH

✓ Friendly Web GUI

✓ JSON REST API allows easy integration with broadcast control systems

Puffin – Compact Decoder

The Puffin compact decoder provides professional H.264/AVC and H.265/HEVC decoding to either HDMI or SD/HD-SDI.

The product supports both live streaming via UDP/RTMP/SRT etc and direct input from HLS or MPEG-DASH.

The easy-to-use web-based GUI lets you quickly setup and configure the device. Alternatively, the extensive JSON REST API lets Puffin be remotely controlled via an automation or management system.

TWO MODELS

Puffin is available in two models, one featuring SD/HD-SDI output and other, more compact unit, with HDMI output.

Easily mounted on the back of a TV or LCD Display, Puffin HDMI is particularly suited for combination digital signage and video distribution applications.

COMPACT AND CAPABLE

Fitting into the palm of your hand, the power of Puffin is not to be underestimated.

Internally, the system is built on a robust, enterprise-grade Linux which powers the decoding functions, Web GUI, and REST API.

Two Ethernet ports are available, letting you configure streaming input over the same port as the Web GUI or streaming input over a dedicated and separate network.

LIVE CONTRIBUTION

Long-distance transmission via fiber or satellite links continues to be a major cost factor for live production operators. Pelican can help operators optimize costs by encoding contribution content into high-resolution HEVC streams, thus lowering the bit rate without sacrificing quality.

EVENT CONTRIBUTION

When used with the Puffin decoder, Pelican provides the perfect solution for outside broadcast and regional contribution. SRT transmission provides exceptional protection against link instability and packet loss, finally making transmission over the public internet an affordable reality.

EASY CONFIGURATION

The Web GUI lets you quickly configure input, encoding, and streaming parameters.

Setting up decoding parameters is quick, easy, and straightforward.

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REST API

While most users choose to control and configure the Puffin via its intuitive HTML5 GUI, the system can also be fully managed remotely via the built-in REST API. Using straightforward HTTP commands, key decoder and system parameters can be queried and/or modified, making it a snap to integrate Puffin with third party automation or management systems.

BUILT-IN STORAGE FOR LOCAL PLAYBACK

Essentially a "Smart Decoder", Puffin features ample internal storage for holding prepared video clips. The automatic failover feature will play the uploaded clip(s) if the input signal is lost. Clip playback can also be triggered manually or via the REST API.

FLIGHTDECK™ MANAGEMENT SYSTEM

For coordinated control of multiple Puffin decoders, the optional FlightDeck™ system is available.
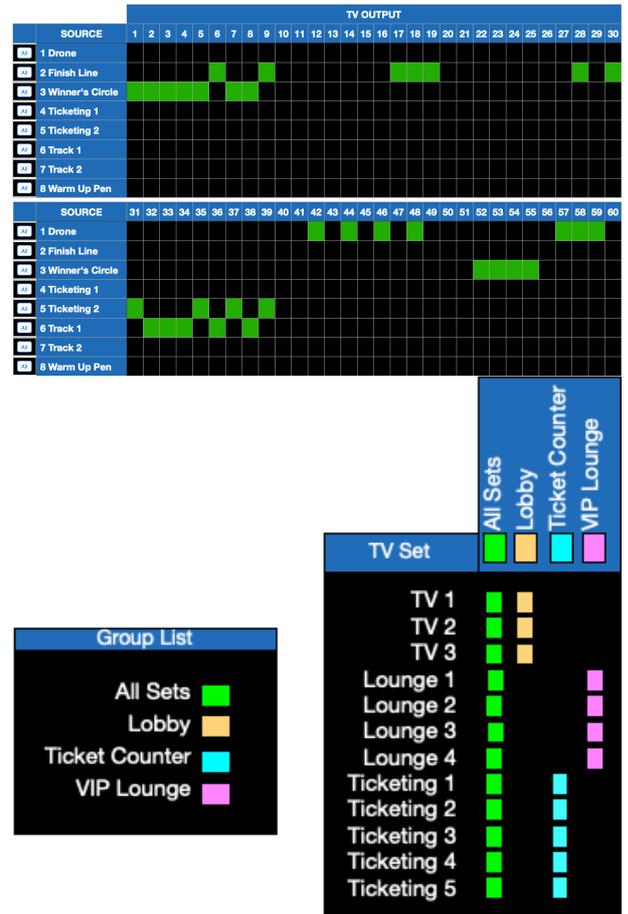
FlightDeck™ lets you simultaneously manage and control multiple Puffin Decoders from a single dashboard.

With a few clicks, you can configure which source feed to tune into, select and play stored clips. Additionally, clips can be uploaded, deleted, or played on multiple units with a single click using the "decoder group" feature.

Decoder groups, defined and configured in FlightDeck™ lets you assign groups of decoders to a common configuration group.

FOR MORE INFORMATION

Regardless of your customized requirements, our Torque professional services team is on standby, ready to assist. For further details, please contact your local sales rep or our Torque sales team (sales@torquevideo.tv).

PUFFIN SDI

Inputs	
MPEG-TS	UDP, RTP, RTMP, SRT
Clip upload	TS, MP4, MKV
Output	
Formats	SD-SDI, HD-SDI
Resolutions	525i, 625i, 720p, 1080p
Frame Rates	23.98, 24, 25, 29.97, 30, 50, 59.94, 60
Color Space Sampling	4:2:2, 4:2:0
System	
Gigabit Ethernet Streaming Port	1
Gigabit Ethernet Management Port	1
Rocky Enterprise Linux	✓
Control Interfaces	
HTML5 GUI	✓
REST API	✓
FlightDeck™ Agent	✓
4-Output Dry Relay Contact [2]	[option]
2-Input Opto-isolated sensor input [2]	[option]
Electrical	
Input Voltage	12V DC
Included Power Supply	88 - 250V
Power Consumption	35W
Operating Temperature Range	10º - 30ºC
Physical	
Dimensions	185 x 115 x 35 mm
Weight	800g

PUFFIN HDMI

Inputs	
MPEG-TS	UDP, RTP, RTMP, SRT
Clip upload	TS, MP4, MKV
Output	
Formats	HDMI 2.0
Resolutions	Up to 4Kp60
Frame Rates	23.98, 24, 25, 29.97, 30, 50, 59.94, 60
Color Space Sampling	per HDMI Spec
System	
Unified Management/Streaming Gigabit Ethernet Port	1
Rocky Enterprise Linux	✓
Control Interfaces	
HTML5 GUI	✓
REST API	✓
FlightDeck™ Agent	✓
Electrical	
Input Voltage	12V DC
Included Power Supply	88 - 250V
Power Consumption	7W
Operating Temperature Range	10º - 30ºC
Physical	
Dimensions	150 x 95 x 30 mm
Weight	225g

Notes:
[1] Product Option
[2] Requires SW Activation License

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