Primatte® Explorer™ Features

- Intuitive, user-friendly controls offer quick and precise operation with a minimal learning curve.

- Primatte Explorer RT/HD allows the creative freedom to produce a matte on any saturated color background.

- No need to repaint backdrops—works with Ultimatte® or chroma matte blue painted backgrounds.

- Color-correction allows quick and independent adjustment of foreground and background signals. Allows users to create the necessary color balance by manipulating hue, saturation, luminance gain, and black level.

- Internal MSIC processing is an astounding 16 bits per channel—R,G,B and A.

- Accepts two SMPTE292M HD inputs, foreground and background signals, and provides two SMPTE292M HD outputs, selectable from foreground, background, matte, processed foreground, or the composite.

- Available in a standard 2 unit high, 19-inch rack mount enclosure.

Overview

Primatte® Explorer™ RT/HD, the first Live, High-Definition Chroma Matte system, features powerful, yet easy-to-use, precision matte-control functions for the Broadcast Television, Film and Video Production and Post Production industries which require superb quality video composition.

Primatte Explorer takes the most difficult elements in a foreground shot—smoke, fog, water droplets, hair wisps, transparent and translucent materials—and easily composites them into the background footage.

Primatte Explorer software is based on IMAGICA's chroma matting application that has been used for special effects in numerous movies, television shows and commercials such as Hollow Man, The Patriot, Contact, and Touched By an Angel. The Primatte Explorer real-time engine is powered by Intelligent Paradigm's patented MSIC™ video processing technology, which provides power and precision far beyond current broadcast-quality video requirements.

INTELLIGENT PARADIGM

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PRIMATTE® EXPLORER™
REAL-TIME HIGH-DEFINITION CHROMA MATTE

Specifications

Video
Video Standard (High-Definition System) SMPTE292M
Video Standard (Standard Definition System) SMPTE259M
Foreground Input 4:2:2
Background Input 4:2:2

Video Output (selectable)
Foreground 4:2:2
Background 4:2:2
Processed Foreground 4:2:2
Matte 4:0:0
Composite 4:2:2

Processing
Foreground and Matte Generation 4:4:4:4
Internal Foreground and Matte Processing 4:4:4:4
8 or 10 bit information processing on serial inputs and outputs

Inputs
High-Definition System: Two serial SMPTE 292M BNC 75 ohm
(with monitor-quality loopthrough outputs)

Standard Definition System: Two serial SMPTE 259M BNC 75 ohm

Outputs
High-Definition System: Two serial SMPTE 292M BNC 75 ohm

Standard Definition System: Two serial SMPTE 259M BNC 75 ohm

Power
Mains..Mains 115V to 230V AC,
50/60 Hz 1A (at 120 VAC)

Data Control
Remote Head...Future option

Dimensions Chassis (in/cm)
Width .... 17.6 in. / 44.7 cm.
Depth...17.8 in. / 45.21 cm.
Height ....3.46 in. / 88 cm. (2 rack units)
Weight .... 26 lbs.

Dimensions Face Panel (in/cm)
Width... 19 in. / 48.26 cm.
Height...3.46 in. / 88 cm.

Mounting
Standard 2 unit high 19" rack

INTELLIGENT PARADIGM
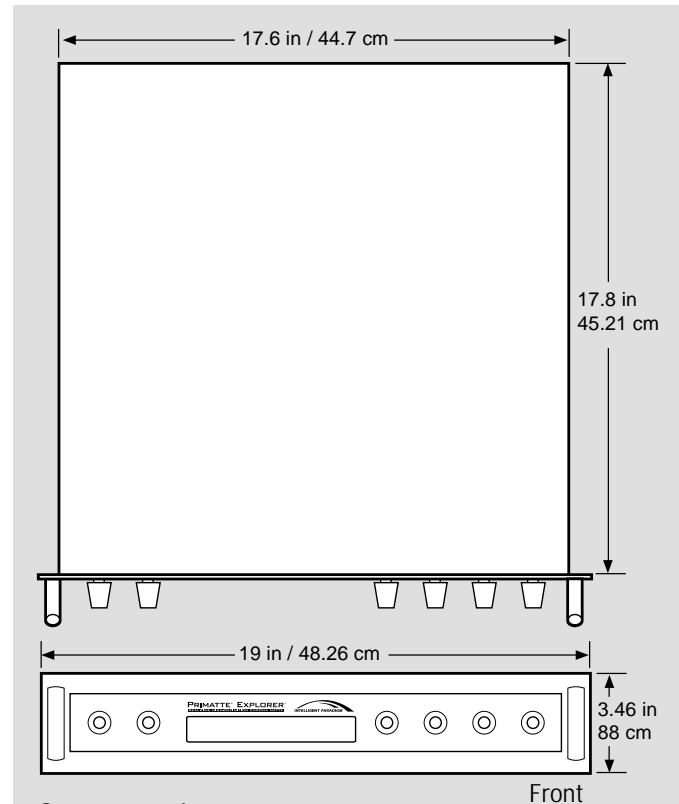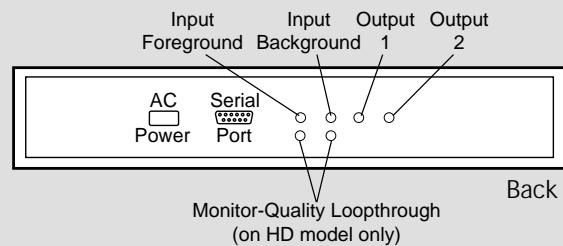
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Dimensions

17.6 in / 44.7 cm

17.8 in
45.21 cm

19 in / 48.26 cm

3.46 in
88 cm

Front

Connections

Input Foreground   Input Background   Output 1   Output 2

AC Power   Serial Port

Monitor-Quality Loopthrough
(on HD model only)

Back

Video Flow

INPUTS	OUTPUTS
Camera	Tape Deck
DDR	DDR
Tape Deck	Monitor
Switcher	Switcher
Router	Router
or any serial digital source	or any serial digital destination