Operation Manual
Kamio® Model
KAM-6

KINO FLO
LIGHTING SYSTEMS

KAMIO 6 Kit   On Camera/2-Stage

The KAMIO 6 is a combination ring-lite and two filter stage clip-on matte box that mounts to the lens of film or video cameras. It is powered by an on-board 12VDC dimming ballast.
Main application is for front-fill beauty light.

KIT-KAM6

Kit Consists of :

1 Kamio 6 Ring-Light (112mm) w/2 Stage Filter Tray &
  detachable 3ft Harness ……………………………………… KAM6
1 Kamio On-Camera 12V Ballast/w 4pin XLR cable …………BAL-141X
1 Kamio Camera Mount …………………………………………MTP-141
1 Baby Pin Hot Shoe Mount ...……………………………………MTP-141S
1 Kamio Extension Cable, 15ft. ………..……………………… X04-K15
1 6.5Amp/AC Universal Power supply w/4pin XLR
  including Edison and Euro Power cables…………..………..PWS-136/X4
1 2Pk of Short Doors, " Sun Shade"……………………………KAM6-S
1 Long Barn Door, "Eyebrow"..…………………………………KAM6-L
4 Gel Frames …………………………………………………GFR-KAM6
1 Gel Frame Template………………………………………..GFR-KAM6T
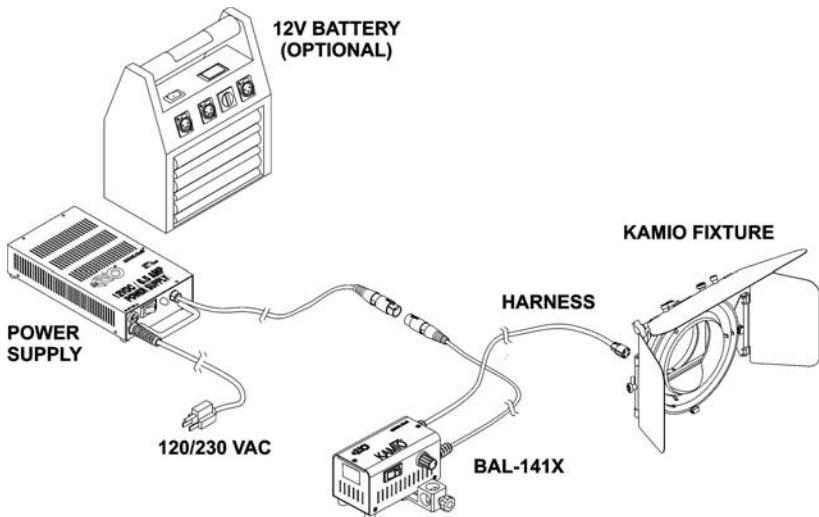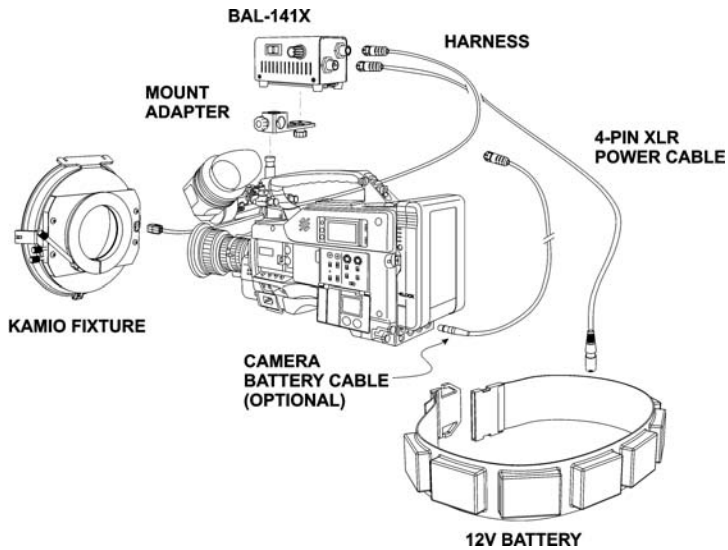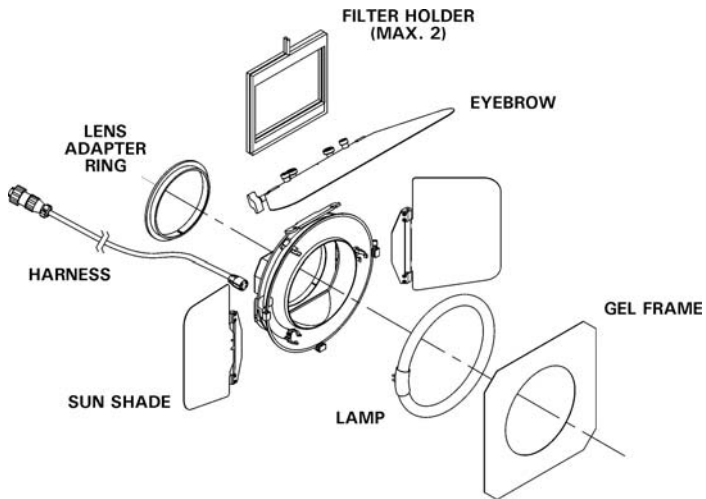1 Travel Case …………………………………………………KAS-KAM6

SYS-KAM6

System Consists of:

1 Kamio 6 Ring-Light (112mm) w/2 Stage Filter Tray &
  detachable 3ft Harness ………………………………………… KAM6
1 Kamio On-Camera 12V Ballast/w 4pin XLR cable …………BAL-141X
1 Kamio Ballast Mount …..………………………………………MTP-141
1 Baby Pin Hot Shoe Mount ...…………………………………MTP-141S

KAMIO Assembly

BAL-141X

HARNESS

MOUNT ADAPTER

4-PIN XLR POWER CABLE

KAMIO FIXTURE

CAMERA BATTERY CABLE (OPTIONAL)

12V BATTERY

12V BATTERY (OPTIONAL)

KAMIO FIXTURE

HARNESS

POWER SUPPLY

120/230 VAC

BAL-141X

KAMIO Detail

FILTER HOLDER (MAX. 2)

EYEBROW

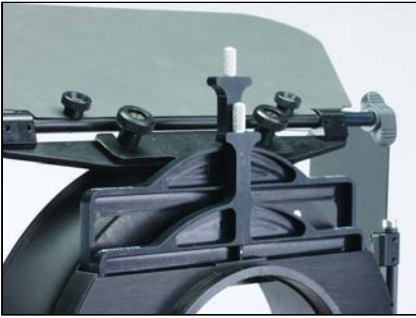LENS ADAPTER RING

HARNESS

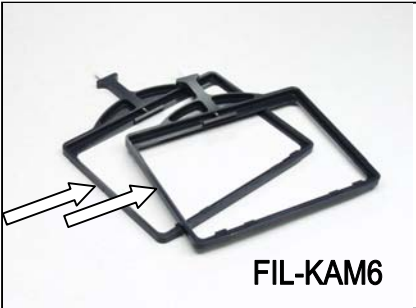SUN SHADE

GEL FRAME

LAMP

Mounting KAMIO to Lens

The **Kamio** Ring Light is designed to mount directly to the camera lens. An expandable clamping ring is designed to fit lenses with an outside diameter of 112mm. (eg.Panavision Primo Primes). Turn the locking screw to clamp down on the lens. Lens adapter rings are available to accommodate various smaller lens diameters. (see "Accessories" for details)
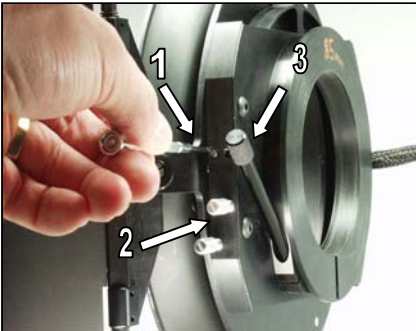

Note: The Kamio is only recommended for fixed barrel lenses. Fixed barrel lenses are designed to support the weight of the Kamio and keep the fixture properly oriented.

Filter Tray holds a maximum of **two** 4" x 5.65" filter holders or **two** 4" x 4" filter holders

Each filter holder has a detent on one side of the frame. To properly secure the holder, the detents should align with the two small pushball set screws on the tray **(1)**.

FIL-KAM6

The tension can be adjusted by using a flat jeweler's screwdriver **(1)** to vary the depth of the screw setting. The silver thumbscrews **(2)** lock the filter trays in position. Lens Clamp **(3)**, locks Kamio to lens.

Changing Lamps
Extract the lamp by pushing the lamp harness through the reflector. The lamp will clear the reflector making it easier to grasp.

Ballast Operation

Warning! To Ensure Proper Operation

ALWAYS TURN **OFF** THE BALLAST BEFORE connecting or disconnecting lamps, harnesses or Head Extension Cables. Maximum distance, 50ft (2 x 25ft cables).

Ballast Operation

The Kamio Ballast , BAL-141X operates remote from the fixture. Connect the Kamio lamp harness to the extension cable or the Ballast, making sure to rotate the locking ring until it clicks into the locked position. After the lamps are properly installed, the Ballast can be turned on. Avoid operating in temperatures above 125°F (51°C).

(Note: The dimmer should be full up when striking the lamp. Once the lamp has come up to full temperature, in 3-5 minutes, then dim to the desired light level.)

It is normal for the lamp to take 1-2 seconds to ignite. In cold temperatures the Ballast may take longer to ignite the lamp. If it does not ignite within 5 seconds, switch the ballast to OFF, and try again. If lamp does not strike after 2 or 3 attempts, turn Ballast off, check that the harness or any extension connections are secure and restrike.
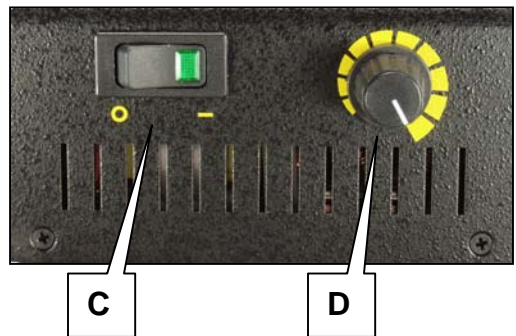
CAUTION: For AC operation use the PWS-136/X4 universal power supply. Do Not operate Camera and Kamio off a Camera Battery Charger. The combined load exceeds the Charger's capacity and will result in the Charger failing.

Ballast Controls

END VIEW   **SIDE VIEW**

| A | B | C | D |

A) Power Input: Connects to 12VDC power cable.
B) Lamp Output: Connects to lamp Harness cable.
C) Power Switch: Lights up green when power is applied. On/off power switch.
D) Dimmer Control: Adjusts light level of the Lamp.

Mounting Ballast

MTP-141

Mounting bracket, **MTP-141** is required to mount the ballast to a baby pin.

Loosen thumbscrew on the **MTP-141** sufficiently to allow the flange to insert into the track on the underside of the ballast.
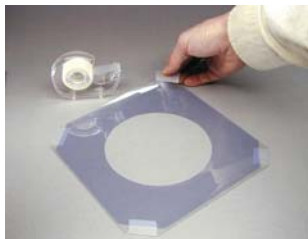
MTP-141S

Baby Hot-shoe adapter,**MTP-141S** is used to mount the Ballast to a camera equipped with a hot shoe receptacle.

Slide the flange of the **MTP-141S** into the hot shoe receptacle on the camera. Lock the pin by screwing down the thumbscrew.

Mount the Bal-141X to the baby pin as shown.

Applying Gel Filters to the KAMIO Fixture

IMPORTANT: *Prior to using the filter frame, remove translucent protective plastic coating from both sides.* Use the steel gel template to cut a filter to the correct size. The filter is then taped to the transparent filter frame.

Components

06C-K32 …. 6" T5 22 watt KF32, tungsten.
06C-K55 …. 6" T5 22 watt KF55, daylight.

Kamio Lens Adapters

KAM-80 ….80mm / fits Zeiss Super Speed Lenses
                     Canon 16X Mechanical Zoom
KAM-84…..84mm / fits Panavision Digital Primes
KAM-85 ….85mm / fits many Canon & Fujinon zooms
KAM-87 ….87mm / fits Zeiss T3 10:1 zoom
KAM-89 ….89mm / fits Canon XL1, 16X Auto Zoom
                     3X Auto Zoom
KAM-95 ….95mm / fits Zeiss Ultra & Canon Zoom
KAM-100…100mm / fits Fujinon 17 (8-160mm Zoom)
KAM-102…102mm / fits Panavision Digital Zooms,
               25 -112mm SDZT, 6-27mm SDZW
KAM-104…104mm / fits Arri Digital Primes
KAM-110....110mm / fits Cooke Primes

Note: 112mm clamp ring permanently fixed to Kamio
           fixture. Fits Panavision® Primo Primes
           ……Other sizes available on request.

PWS-136/X4… 6.5 amp/AC Universal Power
Supply w/4pin XLR. Edison
and European IEC power
cords included.

GFR-KAM6….. Kamio Gel Frame
GFR-KAM6T… Gel Frame Template

FIL-KAM6 ….. 4" x 5.65" Filter Holder.
(2 required)

KAM-6L…..... Kamio 6 Barn Door Long x 1

KAM-6S……. Kamio 6 Barn Door Short x 2

PWC-141A……Kamio to Anton Bauer battery Adapter, 3ft.

Caution: For AC operation of Camera and Kamio do not use Battery Charger. The combined load exceeds the Charger's capacity. Use Kino Flo, AC Power Supply (PWS-136/X4) for AC operation of Kamio only.

PWC-141X….Kamio to 4-Pin XLR, 8ft.

HAR-KAM6…… Kamio 3ft lamp harness.

MTP-141S….Baby Pin Hot Shoe Mount

MTP-141…. Kamio Ballast Mount

X04-K15…..… Kamio Head Extension Cable, 15ft.

Ballast Specifications

BAL-141X

Input Voltage:	12-15VDC
Power Rating:	12VDC = 37Watts @ 3amps
	15VDC = 50Watts @ 3.3amps
Switching:	On/Off
Output frequency:	25 Khz
Size:	5.21" x 3.35" x 2.8"
	(132.6mm x 85mm x 73mm)
Weight:	1.17 lb. (0.533Kg)
Weight with	
MTP-141 Mount:	1.3lb (0.587Kg)

Fixture Specifications

KAM-6

Fixture dimensions:	9.1" x 9.9" x 2.5"
	(230mm x 251mm x 62mm)
Mount Type:	Clip onto lens
Filter Stations:	2
Weight with lamp:	1lb. / .45Kg
Weight with lamp	
and barn doors:	2.07lb / .939Kg

Environmental: Disposal of Old Electrical & Electronic Equipment.

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. This product is made of recyclable materials and should be disposed of in accordance with local and state regulations.

Rev   10-05-2005
Part No. 3100030