

Best Tools

to fly your camera[®]



betz-tools.com

Our "RIG" System old or brand new,
is and will always be designed for all kinds
of professional film and videocameras no
matter of size and weight, including
powerhungry HD and 3D cameras.
Solid wiring for heigh power output,
"Hot Swap" of the batteries.

Designed for absolute
dynamic and balanced work.

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RIG ^{HD}

Modular System
4 x Telescopic Post
1 to 3 Battery System (12/24V)
HD-SDI and 3D Signal compatible



RIG ^{HD-light}

Modular System
2 x Telescopic Post
2 Battery System (12/24V)
HD-SDI /Analog compatible



Design Features



Camera Mounting Platform (Stage)

Lightweight but strong and solid. Stands for vibrationless tracking shots. Self-locking "QuickLock" dovetail-clamping with safety mechanism.

Fore/aft and side-to-side fine-adjustment on both sides.

Standard 15mm accessory rods.



Tilt Plate (Optional)

The tiltplate is designed to alter perspective by 20° either way while the post remains vertical when panning.

(Fits also on PRO-GPI and MK-V system)



Junction Box

Standard Lemo/BNC connectors for power, tally, **HD-SDI** and analog video (customized wiring available). Colourcoded power outlets for safe and easy connection.

State-of-the-art optional built-in digital electronic bubble-level, easy to set up, (zero/direction/speed/angle). Level icon reads on-screen exclusively on Transvideo HD or PRO-GPI monitor.

A built-in red line laser allows easy adjustment for the RIG-post (upper to lower base). The laser marking line on the floor is also very useful for the „Focuspuller“.

Design Features

Post dia 1,96" (50 mm)

RIG HD 4x telescopic post can be quickly extended from 29" (75cm) to 69" (175cm).

Permits lens heights from floor to ceiling.

RIG HD-light (opt. RIG HD) 2x telescopic post can be quickly extended from 19" (50 cm) to 33" (85 cm).

Specially designed in-post wiring for **HD-SDI**, **analog video**, power and other functions. (customized wiring on request).

Safety post clamps. No-tools handling.

Gimbal

Frictionless self-centring gimbal with integral handgrip and no-tools adjustment. Stainless-steel bearings.

Monitor and Bracket

Any type of monitor fit with the system.

Ted Churchill or Transvideo bracket allows quick positioning of monitor and easy switch from high to low mode via a **newly designed pivot**.



Design Features



RGMB



RAMB



RDB

RIG^{HD} Lower Base

Motorized **fine**-adjustment of the battery compartment for dynamic balance or for quick change of camera tilt angle.

Bargraph LED battery display. Configuration-plug and 12V/24V switch allow a wide range of applications with between 1 and 3 batteries. Various battery-systems (V-mount, PAG, Anton Bauer) are optional. The base features power, **HD-SDI** and analog video outlets are Lemo connectors.

Various invertible battery mounts and the **new 90° extension** allow for a minimum system height of about 23,6" (60cm) and a perfect setup for front-heavy **3D** and other cameras

Weight:

4x telescopic post, 3 Batt.sys. without Monitor 11lbs (5 kg)

RIG^{HD-light} Lower Base

Adjustment of the battery compartment for dynamic balance.

12V/24V switchable. Battery mount turnable 180°. Various battery-systems (V-mount, PAG, Anton Bauer) are optional. The base features power, **HD-SDI** and analog video outlets are Lemo connectors.

Weight:

2x telescopic post, 2 Batt.sys. without Monitor 7,9lbs (3,6 kg)

Accessory-Mounting Brackets

Mounting brackets for hard-disk recorders or gyro stabilizers

Part no.	Description
	RIG^{HD} Basic Unit 4 x telescopic post Stage with universal dovetailplate (long) - Junction Box with integral electronic bubblelevel and line laser - 4 x telescopic post, dia. 1.96" (50 mm), 29" - 69" (75 - 175 cm), Gimbal Docking rings - Ted Churchill monitor bracket - Monitor cable -BNC HD Adapter Motorised-Lower Base with 3 battery brackets - Docking bracket
RIG BU4	RIG^{HD} Basic Unit - without Monitor 4 x telescopic post PAG Lok-On or V-Mount battery bracket
RIG BU4 AB	Anton Bauer battery bracket
RIG BU4 M	RIG^{HD} Basic Unit - with Transvideo HD 6" SBL classic LCD Monitor with Transvideo Bubble software PAG Lok-On or V-Mount battery bracket
RIG BU4 MAB	Anton Bauer battery bracket

Please note: Prices above do not include arm, vest, power cables, batteries, case.

Part no.	Description
	RIG^{HD-light} Basic Unit 2 x telescopic post Stage with universal dovetailplate (long) - Junction Box with line laser 2 x telescopic post, dia.1.96" (50 mm), 19" - 33" (50 - 85 cm), Gimbal Docking rings - Ted Churchill monitor bracket - Monitor cable - BNC HD Adapter, Lower Base with 2 battery brackets - Docking bracket
RIG BU2	RIG^{HD-light} Basic Unit - no Monitor, no electronic bubblelevel PAG Lok-On or V-Mount battery bracket
RIG BU2AB	Anton Bauer battery bracket
RIG BU2B	RIG^{HD-light} Basic Unit - no Monitor, with electronic bubblelevel PAG Lok-On or V-Mount battery bracket
RIG BU2BAB	Anton Bauer battery bracket
RIG BU2M	RIG^{HD-light} Basic Unit - with Transvideo HD 6" SBL classic LCD Monitor with built in electronic bubble level in Monitor PAG Lok-On or V-Mount battery bracket
RIG BU2MAB	Anton Bauer battery bracket

Please note: Prices above do not include arm, vest, power cables, batteries, case.

Part no. Description

Power Cables

RIG-AI	RIG-12V	Aladin/FOX Power	4pin Hirose	20 cm/ 7.9"
RIG-SCO	RIG-12V	Scorpio Power	3pin Lemo	40 cm/15.8"
RIG-LCS	RIG-24V	ARRI LCS Remote Power	3pin Fischer	25 cm/10"
RIG-MCU3	RIG-24V	ARRI LCS Remote MCU3	16pol Fischer	45 cm/17.7"
RIG-ARRI12	RIG-12V	ARRI SR/ARRIII/BL etc.	11pin Fischer	45 cm/17.7"
RIG-ARRI24	RIG-24V	ARRICAM / Alexa	2pin Fischer	45 cm/17.7"
RIG-ARRI24W	RIG-24V	ARRICAM / Alexa 90° Angle	2pin Fischer	45 cm/17.7"
RIG-RED	RIG-12V	RED Camera	6pin Lemo	45 cm/17.7"
RIG-REDES	RIG-12V	RED Epic/Scarlet	special Lemo	45 cm
RIG-XLR12	RIG-12V	XLR	4pin XLR	45 cm/17.7"
RIG-VT12	RIG-12V	Videotransmitter	6pin Hirose	40 cm/15.8"

Power/Video Cables

RIG-Mon	RIG-Monitor	Monitor Standard Cable	8pin Lemo	110 cm/43.3"
RIG-HD6"	RIG-HD6"	Monitor/HD-BNC/Bubble	8pin Lemo	110 cm/43.3"
RIG-VTV12	RIG-12V/Video	Videotransmitter	6pin Hirose	35 cm/13.8"
RIG-Chinch	RIG - Video	Video in/out (sled low)	chinch	20 cm/ 7.9"

Other and custom made cables on request

Cables & Acc. Jan. 2013

€uro Prices ex works Munich Germany - Preise in €uro ab Werk München zuzügl. gesetzlicher Mwst.
Prices and specifications subject to change without notice - Änderungen ohne Vorankündigung möglich

Part no.	Description
Video Cables Adapters	
VID	Videocable thin/flexible HD Signal compatible BNC Conn. 50 cm/19.6"
LEMBNC	Adapter HD Lemo coax to HD BNC
Spezial Triax Cables	
TRIXD	Damar&Hagen Connectors 250 cm/98.5"
TRIXF	Fischer Connectors 250 cm/98.5"
HD Glasfiber Cable with Powerline	
GLHD-L	Glasffibercable with Powerline Lemo 250 cm/98.5"
RIG Battery Configuration Plugs not for RIG^{light} (Details see Manuale)	
RBC3-12/24	Rig battery configuration plug 3 Batt. 12/24 Volt (standart)
RBC2-12/24	Rig battery configuration plug 2 Batt. 12/24 Volt
RBC2-12	Rig battery configuration plug 2 Batt. 12 Volt
Battery and charger	
PAGlink PL96e	PAGlink (Li-Ion) V-mount 14.8 /12Amp/96 Watt Weight: 730g
PAGcube	Four channel simultan charger Weight: 1,2 kg
IDX V-Mount and other battery/charger systems on request	

Part no.	Description
Accessory Mounting Brackets	
RIGAEKL	Battery-extension 90° with clamping for RIG'S from August 2010
RIGAE	Battery-extension 90° with clip for RIG'S older models
401-55-02	Light weight support with 2 rods 15 mm (0.59")
RAMB	RIG accessory mounting bracket with 2 rods 15 mm (0.59")
RGMB	RIG gyro mounting bracket
RDB	RIG dovetail accessory mounting bracket with 2 rods 15 mm (0.59")
GMB	Gyro mounting bracket for two rods 15 mm (0.59"), with 3/8" screw/washer
GMB-S	3/8" screw and washer
GPMB	Gyro-post mounting bracket with two short rods 15 mm (0.59")
Accessories	
RTCA	Case (Aluminum) for Rig, cables and batteries
RDPL	Universal Dovetailplate long (23 cm/9")
RLPA	Locating-pin for Arri Cameras
RCMS	Camera mounting Screw 3/8"-16 x 4.5"/11,5 mm
RAPM	Arm post for Master/G50-70 adapts arm to Rig or Pro gimbal
Pro-D	„D" Bracket Handle for Low mode with rod and B-lok pin
RDRL	Docking Ring as back up
HDP	Hill Docking Bracket
TallySens	Tally Sensor with Amplifier (direct line to monitor Tally)

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Top Stage

Camera Mounting Platform for:
RIG
Paddock PRO System
MK-V / Alien
Old Steadicam IIIA / EFP Models
other existing rigs
Super Flat
100% vibrationless



Design Features



Camera Quick Lock

Quick and easy camera-mounting with "QuickLock" and safety mechanism.

Universal dovetail plate for any camera.

Self Locking Trim

Fore/aft travel: self locking fine-adjustment on both sides.

Design

Built-in reference bubble level, 15 mm accessory rods (e.g. remote control). Guidance on hard-coated aluminium, absolute vibrationless.



Small Compact Lightweight

Size without rods: 5.1"(13cm) x 4.7"(12cm) x 1.4"(3.5cm)

Weight: 1,2 lbs (540 gr.)

Accessories

Lightweight support for motors to mount on the universal dovetailplate.



Receiver mounting bracket
RMB.



Part no.	Description
Top Stage Camera Mounting Platform	
Stage	Stage, 2 rods, 4 pcs. mounting screws, instruction manuale
StageP	Stage, 2 rods, 4 pcs. Inch mounting screws, spacer, instruction manuale
Top Stage Camera Mounting Platform with long Dovetailplate	
Stage-DTL	Stage, 2 rods, 4 pcs. mounting screws, dovetailplate, manuale
StageP-DTL	Stage, 2 rods, 4 pcs. Inch mounting screws, spacer, dovetailplate, manuale
Universal Dovetailplate	
DTL	Universal dovetailplate long length: 23 cm/9"
Accessories	
LWS-DT	Light weight support - 2 rods length: 20 cm/7,8"
RMB	Receiver mounting bracket for 15mm rods
Back Up	
ST-R	Pair of 15 mm rods standard length: 10 cm/3,9"
ST-RL	Pair of 15 mm rods long length: 13 cm/5,1"
CMS	Camera mounting screw 3/8"
LPA	Locating-pin for Arri cameras
SP	Spacerrring for Paddock PRO incl. 4x inch screws

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Tiltplate

Easy to assemble in-between
post and cameramounting plat-
form ""Stage""

For RIG - PRO - MK-V ...

Alter perspective by $\pm 20^\circ$
tilt-angle up or down, while
the post remains vertical -
for precise pans.



Design Features



Mounting

Simply add the tiltplate with four screws between Steadicam post and camera-mounting platform "Stage".
For RIG - PRO - MK-V and other Steadicam systems.
Easy to mount with four screws.

Adjustment

Set the proper length of sled and adjust the camera tilt angle.
The post remains vertical and the dynamic balance is kept while panning the camera.

Design

Easy-to-set camera tiltangle via two clamps $\pm 20^\circ$.

Dimensions

Size: 6.7"(17cm) x 3.9"(10cm) x 1.7"(4,5cm)

Weight

0,9 lbs (440gr.)

Tiltplate

Januar 2013

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Part no.	Description
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	Tiltplate for RIG and MK-V
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Tiltp	Tiltplate - adaptor Ring - 4 pcs. screws
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	Tiltplate for PRO GPI
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Tiltp-Pro	Tiltplate - adaptor Ring Pro - 4 pcs. screws M4 - 4 pcs. screws 8/32"
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	Spares
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ARR	Adaptor Ring RIG as back up
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ARP	Adaptor Ring PRO as back up
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Monitor Brackets

Design: Ted Churchill

NEW: QuickTurn for
high/low mode. Adjusts
to any monitor position
For any kind of monitors



Design: Transvideo

Classic two rods style
For any kind of monitors



Design Features



Ted Churchill „QuickTurn“ Monitorbracket

The monitorbracket in shape of a quadrant, each monitorposition in each RIG configuration is possible.

The new „QuickTurn“ function allows quick and easy changes of the Monitor from high to low mode.

Small dovetailplate fits on any monitor with just one screw.

Design

For post diameters up to 1.9" (48mm)

Weight

7.7 lbs (220 gr.)



Transvideo Monitorbracket

The monitorbracket is classic with two rods for adjusting the monitor. The Kit includes a yoke to adjust the monitorangle in it's center of gravity

Design

For post diameters up to 1.9" (48mm) or 2"

Weight

12 lbs (340 gr.)

Part no.	Description
	Ted Churchill Monitor Bracket „Quick Turn“
CMBR	QuickTurn for RIG post
	Ted Churchill Monitorhalter 2"
CMB2	QuickTurn for 2" Post
	Ted Churchill Monitor Bracket
CMB	QuickTurn for PRO/MK-V/EFP... post with insertring for 36mm and 38mm
	Inserts/Adaptors
Inserts	Delrin step-down insert for your specific post size
	Monitor Mount
MCU	Dovetailplate and slider to mount any monitor
	Quick Turn
QT	just mount on Post as replacement for older TC Brackets
	Transvideo Monitorbracket
TRVMBRCL	QuickTurn for RIG post complete
	Transvideo Monitorbracket Kit with yoke
TRVMBRKBCL	QuickTurn for RIG post complete
	Transvideo Monitorbracket
TRVMBR	without postclampingring
	Transvideo Monitorbracket Kit with yoke
TRVMBRKB	without postclampingring
	Clampingring for Transvideo Monitorbracket
CRMB	for RIG Post

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