

MULTIQUARTZ

for Arri 35III camera

MULTIQUARTZ is a sophisticated, compact, very low power electronic device that has been designed to be used with **Arri 35III** camera.

It allows to shoot at frame rates different from **24** or **25** fps, while it keeps the same accuracy and stability got from internal control of the camera.

MULTIQUARTZ has **20 crystal controlled frame rates**, each differing from the other, within a same frame range, of exactly **one f/step**.

23.976 and **29.97** fps are available too, crystal controlled, to film **NTSC** video at **144°** shutter or **180°** shutter.

Selecting speed is easily accomplished through the Main control knob.

Variable speed is available too, with quasi quartz accuracy and with a ± 0.1 fps resolution from **2** up to **50** fps with one 12 Volt battery and from **2** up to **130** fps in **HIGH SPEED** mode, using an additional 12 Volt battery.

MULTIQUARTZ allows filming in **FORWARD** or **REVERSE** mode from **2** up to **50** fps, warning the cameraman through a blinking Red LED during the **REVERSE** running.

It allows too filming **1.5 fps** continuously or **SINGLE FRAME**, with exposed frames counter.

When filming **HIGH SPEED** mode, a special automatic electronic acceleration circuitry, allows a **RAMP** speed to avoid film breakage and damage to the camera film transport.

For **HIGH SPEED** no special cable is necessary: just a second camera spare cable is needed and a second 12 Volt battery.

A dual **BATTERY MONITOR** circuitry allows to check battery status either at normal operation or in **HIGH SPEED** mode.

MULTIQUARTZ features in the single pushbutton **PHASE TV** the functions of: **Autoslate**, **Phase TV** and **Single Frame**.

MULTIQUARTZ is a sophisticated, rugged, unique device that expands even more the functions of **Arri 35III** camera.

It has been appreciated for its features for **Advertising** and **Professional** work by many **D.o.P.s**, that have been able to get the best from the device for their creative job.



FEATURES

- Accuracy for all crystal controlled speeds: ± 15 ppm (Equivalent to ± 1 frame on 1.000feet).
- **20** programmed frame rates + **2** extra (**23.976** and **29.97** fps) crystal controlled.
- **Variable** frame rates from **2** up to **50** fps with a single 12 Volt battery.
- **Variable** frame rates from **2** up to **130** fps with a second 12 Volt battery.
- **Variable** frame rates from **26** up to **36** fps with a single 12 Volt battery, for **CoMP**uter filming.
- Exclusive automatic acceleration **RAMP** in **HIGH SPEED** mode, with **SYNC** LED warning.
- **FORWARD** or **REVERSE** running, without accessory preset plug, is preset through **MULTIQUARTZ**.
- On **REVERSE** mode, the preset is allowed to run the camera **only up to 50** fps.
- If, by mistake, the **MULTIQUARTZ** selector is forgotten on **REVERSE** and is preset on **HIGH SPEED** the camera will run only **FORWARD** mode. This important feature of **MULTIQUARTZ** is very helpful and foolproof to avoid damage to film transport of ARRI 35III camera.
- A special version of **MULTIQUARTZ** is available, Factory modified, to allows to shoot in **REVERSE** even in **HIGH SPEED** mode up to 130 fps. **It must be used in conjunction with especially modified cameras with longer claw.**
- **MULTIQUARTZ** allows to shoot special effects while shooting, changing the frame rate from one or more different speeds to the others: i.e. start **25** fps – change to **50** fps, or start **25** fps – change to **12.5** fps, etc.
- **PHASE TV** built-in circuitry, that allows to film TV television sets or Computer monitors by shifting “shutter bar” in a position of the screen that is not annoying, by moving it visually through the viewfinder and releasing the pushbutton, that locks the “shutter bar” in position.
- **PHASE TV autoslate** feature that, when the camera is not running, allows to check film loading, to make short takes for slates, always of the same length, and savings this way film stock at the end of the job.
- **Digital TACHOMETER/EXPOSED FRAMES Multifunction display** that allows to check the frame rate selected either when the camera is off or when the camera is running, with an accuracy better of the camera Tachometer by a factor of 10. Resolution is ± 0.1 fps. This feature allows to be informed all the time about the preset frame rate, so that the **D.O.P. can remember what to do** just taking a look to **MULTIQUARTZ**.
- **SINGLE FRAME** feature allows to shoot a frame, every time the red pushbutton is depressed.
- **SINGLE FRAME** feature allows to shoot continuously at **1.5** fps frame rate, when camera is started through camera switch, **MULTIQUARTZ** switch or an external **REMOTE CONTROL**.
- **Multifunction display** will show **EXPOSED FRAMES**.
- **Battery Monitor** shows both Camera battery (**CAM**) and an additional one (**AUX**) when is plugged into **MULTIQUARTZ** for **HIGH SPEED** operations.
- Camera can be remotely controlled through side Accessory socket.
- Extremely low power drain from camera battery, due to the use of low power circuitry and High efficient LEDs and Display.
- Rugged mechanics, easy and foolproof operation both at 12 or 24 Volt.

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