

PRESS RELEASE



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KOMAMURA CORPORATION
Product Development Dept.
3-2-4 Nihonbashi Ningyo-cho, Chuo-ku,
Tokyo 103-0013 JAPAN
Phone : 81-3-3639-3354 Fax : 81-3-3808-0115
E-mail : export@komamura.co.jp
URL : www.komamura.co.jp/e/

FASTER, LIGHTER, SMALLER GENERATION 3 OF THE HORSEMAN INTELLIGENT SHUTTER SYSTEM

The current, second generation of the Horseman ISS (Intelligent Shutter System) has enjoyed tremendous success among professional photographers working with medium to large film (and, more recently, digital) formats. Its

- * extremely high timing precision,
- * vibration free, fully electronic operation,
- * fine aperture settings down to 1/6 of an f-stop,
- * automatic lens type recognition,
- * large, clearly readable display and
- * many other convenience features

have all been preserved or improved upon in the new Generation 3. But progress in digital electronics technology has been extremely fast, giving Horseman engineers the chance to create an all-new system to free the photographer even more from the technical and mechanical aspects of his work.

The ISS G3 control unit, when compared with the current model, is now:

- * Lighter by almost one half, weighing only 430 grams;
- * Smaller in volume by about one half;
- * Ready for the next shot immediately. There is no more waiting time while a capacitor is being recharged, simply because there is no such capacitor. The shutter can now be released up to ten times a second.
- * Equipped with a second serial port which is used for activating a Phase One® digital camera back; the other serial port is for controlling shutter and aperture from a computer keyboard;
- * Powered by 24V DC (which is internally converted to 48V);
- * Equipped with a newly developed CPU (central processor unit) and all-new control software;

To protect your current investment, we have made sure that the new Generation 3 ISS will work admirably well with the same ancillary equipment and accessories as Generation 2. This includes shutters of sizes 0, 1 and 3, auto camera backs, connection cables for digital camera backs, synchronizing cables for shooting with more than one camera, cable shutter releases, lens panels, and many more.

The Horseman ISS has been elevated to a new, higher plane. Because we believe that there can never be too much intelligence.



Product Name: HORSEMAN ISS-G3

Product Code: 23203

Date of Sale: 15, October 2004

Specifications

Control Unit	
Shutter speed range	1/125 sec. - 32 sec (in 1TV or 1/3 TV steps) or 1 sec. - 99 min. 59 sec. (in 1 sec. steps)
F-stop range	Will vary according to the lens installed
Range of F-stop display	F 2 - F 180 9/10
Aperture control steps	1AV, 1/2 AV, 1/3 AV, 1/4 AV, 1/6 AV, 1/10 AV
Memory capacity	2 sets of setting data
Lens data memory capacity	254 settings for #0/#1 shutter size and 254 settings for #3 shutter size
Memory backup	EEPROM
Display	Backlit dot matrix LCD with two lines of 16 characters each
LED indicators	FUNCTION (yellow), 2 x MEMORY (green), FULL OPEN (red), STOP DOWN (orange), CLOSE (green), RELEASE (red/yellow)
Power supply	DC 24V 2A
Dimensions	100 x 166 x 41mm (excluding protruding sections)
Weight	430g

	Shutter Unit (IS-0)	Shutter Unit (IS-1)	Shutter Unit (IS-3)
Max.shutter speed	1/125 sec.	1/125 sec.	1/30 sec.
Screw diameter of lens	Same as Copal #0 shutter	Same as Copal #1 shutter	Same as Copal #3 shutter
Lens board mount aperture	65mm (same as Copal #3 shutter)	65mm (same as Copal #3 shutter)	65mm (same as Copal #3 shutter)
Exterior dimensions	114x111x37mm	114x111x37mm	137x135x42mm
Weight	400g	390g	750g



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