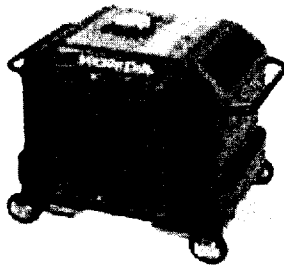


**DOCUMENT A1**  
Groupes électrogènes HONDA

➤ Les modèles

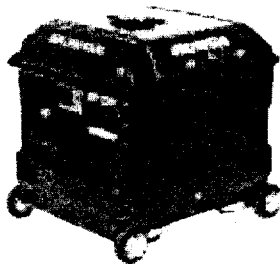


- Courant idéal grâce à la régulation Inverter
- Silencieux, léger et compact
- Interrupteur éco
- Puissance doublée par fonctionnement en parallèle (5,2 kW)
- 4 roues de transport



Inverter

EU26i

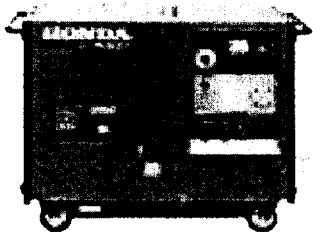


- Démarreur électrique
- Jusqu'à 20 heures d'autonomie
- Interrupteur éco
- Puissance doublée par fonctionnement en parallèle (6 kW)
- 4 roues de transport



Inverter

EU30i

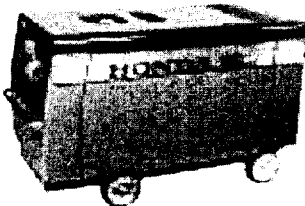


- Ultra silencieux
- Commande à distance et démarreur électrique
- Crochet de levage
- 4 roues de transport



AVR

EX4000

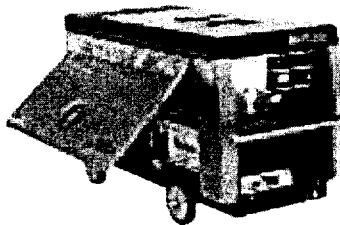


- Puissance Maxi (kW)\*: 10.0
- Puissance Maxi (kVA) : 12.50
- 3 prises de courant (P+N+T)
- Pression acoustique (Lpa)\*\*\* : 65 dB(A)
- Dimensions : 1390x630x850 mm



AVR

EX10



- Puissance Maxi (kW)\*: 9.6
- Puissance Maxi (kVA)\*\*\*\* : 12.0
- 2 prises de courant triphasé CEE 32 A
- 3 prises de courant (P+N+T)
- Pression acoustique (Lpa)\*\*\* : 79 dB(A)
- Dimensions : 1390x630x815 mm

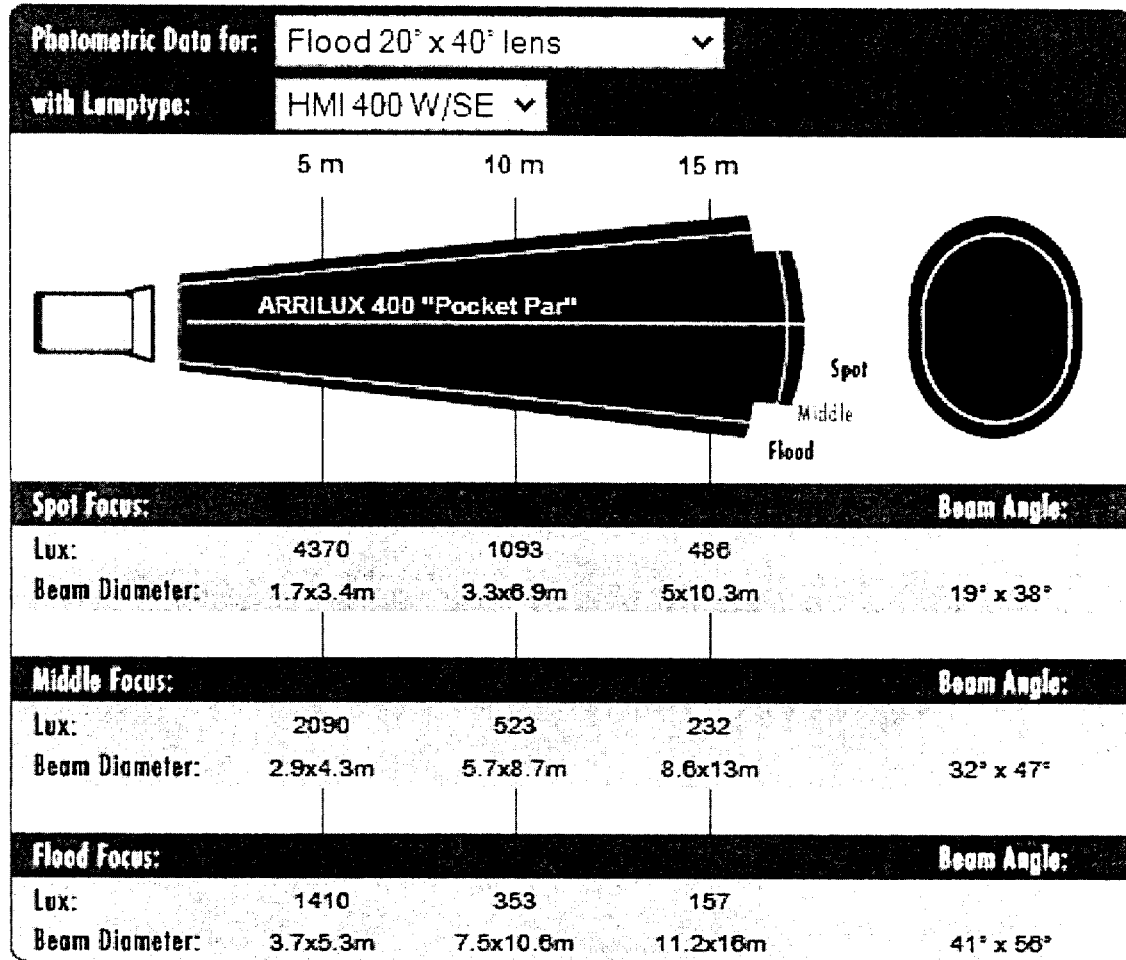


AVR

EX12

|| **TRIPHASÉ**

DOCUMENT B1 : PAR HMI ARRILUX 400 : diagramme d'éclairage



**DOCUMENT C1 : Spécifications de la caméra Thomsongrassvalley LDK 8000**

**key features**

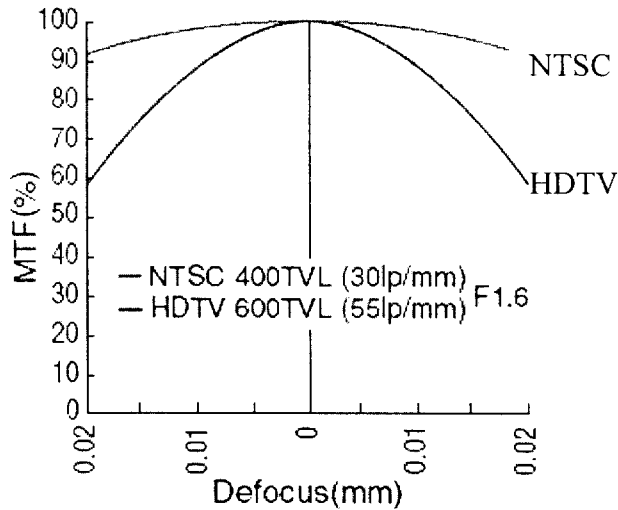
- Supports instant switching between 1080i and 720p formats at 50 and 59.94 Hz for a wide variety of applications
- Supports all 1080p standard formats, including 1080p50 and 1080p60
- Unrivaled video sampling technology:
  - Three 9.2-million pixel HD-DPM+ CCDs
  - 14-bit A/D sampling
  - 22-bit digital signal processing resolution
- Emmy award-winning dual skin contour circuit makes talent look its best
- Dynamic anti-aliasing-on-sensor processing reduces aliasing artifacts
- Unique viewfinder focus-assist tools:
  - Crawler, for creating an active edge around all objects in focus
  - Instant push-button electronic zoom for momentarily enlarging a subject to check focusing on small details
- Smart cards store image, operational settings for easy recall
- Flexible HD transmission system
  - Supports standard triax up to 3,500 ft. (1,200m)
- Supports hybrid fiber SMPTE 311 up to 13,200 ft. (4,000m)
- Small, robust base station with superior HD, SD output
- Lightest weight camera body in its class
- SuperXPander kit support enables configuration with full size studio or OB lenses, and accessories
- Outputs high-quality SD images simultaneously to the HD output

HD Camera Head	LDK 8000	
<b>General</b>		
Power	Triax or DC 12V; 44W Incl. 2" viewfinder & Triax HD adapter	
Temperature range	Operating: -20°C to 45°C (-4°F to 113°F); Storage: -20°C to 60°C (-4°F to 140°F)	
Weight	5.5 kg (11 lbs.) Incl. 2" viewfinder and Triax HD adapter	
Dimensions	241 (H) x 164 (W) x 373 (L) with Triax HD adapter	
<b>Camera</b>		
Optical system	F1.4 Prism	
Optical filter wheels	2x motorized wheels	
Optical filters on first wheel	Clear, 1/4 ND, 1/16 ND, 1/64 ND	
Optical filters on second wheel	Clear, four-point star, six-point star, soft focus	
Color-correction filters (digital process)	Electronic: 3200°K, 5600°K, 7500°K, FL, 2 AWB presets, continuous auto white	
Pickup device	3 x 2/3" 16:9 HD-DPM+ CCDs	
Picture elements	9.2 million pixels 1920 (H) x 4320 (V) effective	
Smear	No vertical smear	
<b>Temporal Frequencies</b>	<b>LDK 8000/60 Standard</b>	<b>LDK 8000/61 WorldCam</b>
720p mode	50/59.94 Hz	23.98/25/29.97/50/59.94 Hz
1080p mode	Requires WorldCam version	23.98/24/25/29.97/50/60 Hz
1080i mode	50/59.94 Hz	50/59.94 Hz
Sensitivity 2000 lux	F8.0 typical (1080i mode)	
S/N ratio in Y signal	56 dB typical	
Modulation depth	55% @ 27 MHz (typical 720p59.94)	
Digital quantization/ DSP processing	14 bits A/D, with >22 bits DSP resolution	
Gain	-6 dB to 18 dB in 3 dB steps (user-definable presets)	
Exposure control	Down to 1/1000s	
Clean scanning	50.8 to 125 Hz (at 50 Hz temporal frequency); 61 to 150 Hz (at 59.94 Hz temporal frequency); V-shift	
Front microphone input	XLR-3 female, balanced +48V selectable	
Lens connector	12-pin	
Control input	9-pin RS-232C compatible	
Viewfinder connector	20-pin, and, HDMI connector	

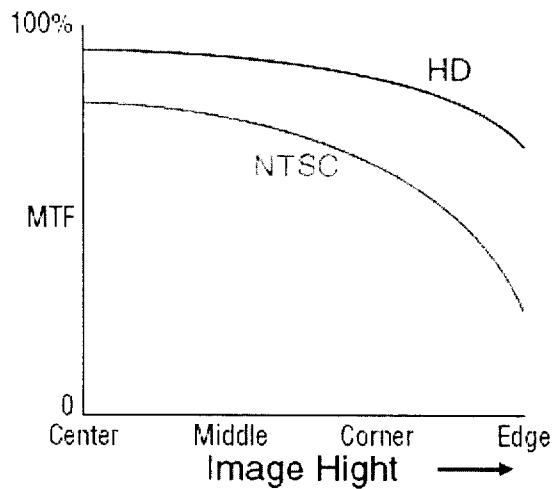
**DOCUMENT C2 : FTM des objectifs HD (Canon)**

**Aberration Correction for HDTV Lenses**

The pixel size is about half in the HDTV system, and therefore the spread of a point image caused by a spherical aberration, coma, etc. should be diminished to about half. Even if the image is slightly out of focus, MTF is greatly influenced. The graph 1 shows how MTF varies when the focus changes. Canon HDxs series lenses employ the HD version of the Power Optical System, which incorporates the X-Element. HDxs greatly contributes to correcting and minimizing these aberrations at the same time, maintaining high MTF throughout the edge of the picture (graph 2).



<Graph 1>



<Graph 2>

## DOCUMENT C3 : Caractéristiques de l'objectif Canon HJ21ex7.5B

<b>HJ21ex7.5B</b>	<b>16:9</b>		<b>SWITCHABLE 4:3</b>		
Built-in extender	1.0x	2.0x	1.0x	1.2x	2.4x
Zoom Arris	21x				
Range of Focal Length	7.5~158mm	15.0~316mm	6.2~130mm	7.5~158mm	15.0~316mm
Maximum Relative Aperture	1:1.9 at 7.5~116.0mm 1:2.6 at 158mm	1:3.8 at 15.0~232.0mm 1:5.2 at 316mm	1:1.9 at 6.2~116.0mm 1:2.15 at 130mm	1:1.9 at 7.5~116.0mm 1:2.6 at 158mm	1:3.8 at 15.6~232.0mm 1:5.2 at 316mm
Angular Field of View	65.2°×39.6° at 7.5mm 3.50°×2.00° at 158mm	35.5°×20.4° at 15.0mm 1.70°×1.00° at 316mm	60.8°×47.5° at 6.2mm 3.20°×2.40° at 130mm	51.3°×39.6° at 7.5mm 2.60°×2.00° at 158mm	27.0°×20.4° at 15.0mm 1.30°×1.00° at 316mm
Minimum object Distance (M.O.D)	0.85m (10mm with Macro)				
Object Dimensions at M.O.D	120.4×67.7cm at 7.5mm 5.60×3.20cm at 158mm	60.2×33.9cm at 15.0mm 2.80×1.60cm at 316mm	110.1×82.6cm at 6.2mm 5.10×3.80cm at 130mm	89.3×67.0cm at 7.5mm 4.20×3.20cm at 158mm	44.7×33.5cm at 15.0mm 2.10×1.60cm at 316mm
Approx. Size	W×H×L = 179.9×122.3×260.1 mm				
Approx. Mass (IRSE/IASE)	2.63Kg (5.81lbs) / 2.73Kg (6.03lbs)				

**DOCUMENT C4 : Présentation de la caméra LDK6200****LDK 6200 Thomsongrassvalley**

*World's First HD Super  
SloMo Camera*



Grass Valley™ products from Thomson offer the most comprehensive multi-format solutions for acquisition, production, storage and playback—and a strong foundation for centralized, proactive status and activity monitoring.

Since the introduction of the LDK 23HS in 1998, the use of super slow motion cameras in sporting events has become commonplace. By capturing images at higher speeds and then slowing them down for playback, the viewer is able to experience the full drama and emotion of the moment.

Until now, the only way to achieve this effect in high-definition (HD) broadcasts has been to use standard-definition (SD) high-speed cameras and up-convert the pictures, with a resulting visible change in picture quality for slow motion inserts. The LDK 6200 HD provides this missing link in the HD sports production chain.

The LDK 6200 HD utilizes the same controls, look, and feel as the existing range of LDK HD cameras, making it familiar to operators while providing the same high picture quality to viewers.

## DOCUMENT C5 : Spécifications de la caméra LDK6200

HDHS Camera Head	LDK 6200 HD	
<b>General</b>		
Power	Triax or DC 12V; 44W incl 2" viewfinder & TriaxHD adapter	
Temperature range	Operating: -20°C to 45°C (-4°F to 113°F); Storage: -20°C to 60°C (-4°F to 140°F)	
Weight	4.3 kg (9.6 lbs.) incl. 2" viewfinder and compact adapter; 5.0 kg (11 lbs.) incl. 2" viewfinder and TriaxHD adapter	
Dimensions (mm)	214 (H) x 125 (W) x 241 (L) with compact adapter; 205 (H) x 125 (W) x 357 (L) with TriaxHD adapter	
<b>Camera</b>		
Optical System	F1.4 Prism	
Optical filter wheels	2x motorized wheels	
Optical filters on first wheel	Clear, 1/4 ND, 1/16 ND, 1/64 ND	
Optical filters on second wheel	Clear, 4-point star, 6-point star, soft focus	
Color correction filters	Electronic: 3200°K, 5600°K, 7500°K, FL, 2 AWB presets, continuous autowhite	
Pickup device	3 x 2/3" HD-DPM+ double-speed CCDs	
Picture elements	9.2 million pixels 1920 (H) x 4320 (V) effective	
Smear	No vertical smear	
Line standard	Switchable 720p/1080i	
Aspect ratio	16:9	
	<b>Single-speed operation</b>	<b>Double-speed operation</b>
Temporal frequencies	50/59.94 Hz	100/119.88 Hz
Sensitivity 2000 lux	F8.0 typical (1080i/59.94 mode)	F5.6 typical (1080i/119.88 mode)
S/N ratio in Y signal	55 dB typical	55 dB typical
Modulation depth	55% @ 27 MHz (typical 720p 59.94)	50% @ 14 MHz (typical 720p 119.88)
Digital quantisation/processing	12 bits A/D and > 22 bits processing power	
Gain	-6 dB to 12 dB in 3 dB steps (user-definable presets)	
Exposure control	Down to 1/2000s	
Clean scanning (single speed)	50.8 to 125 Hz (at 50 Hz temporal frequency); 61 to 150 Hz (at 59.94 Hz temporal frequency)	
Front microphone input	XLR-3 female, balanced +48V selectable	
Lens connector	12-pin	
Control input	9-pin RS-232C compatible	
Viewfinder connector	20-pin	
Supplied accessories	Operator's manual; camera rain cover; 1x owner card; 2x user cards; shoulder strap	