

PENTAX® | Optio I-10



KEY FEATURES

- A wide angle, 5X optical zoom lens (28-140mm equivalent) is ideal for a wide range of subjects, large and small, near or far.
- The high resolution 12.1 megapixel sensor ensures outstanding detail for printing, while providing plenty of pixels for extensive image cropping.
- The large 2.7 inch LCD screen features a 16:9 widescreen aspect ratio, giving a cinematic feel to video or still image capture.
- Beautiful, classic styling in an ultra-slim design provides a unique look in a modern digital compact camera.
- Triple Shake Reduction technology includes a mechanical sensor-shift mechanism, digital Pixel Track SR, and Movie SR, for sharp images, even in the most challenging lighting conditions.
- Capture beautiful portraits with fast Face Detection, Smile Capture, Blink Detection, and processing modes for outstanding skin tone rendering and image composition.
- The PENTAX Auto Picture mode takes the guesswork out of photography by analyzing the scene and setting the best corresponding shooting mode.
- Capture images remotely with infrared remote control capabilities.



DESCRIPTION	PRODUCT #	MAP
Optio I-10 Pearl White Kit	16456	\$299.95
Optio I-10 Classic Black Kit	16471	\$299.95

Availability: February, 2010

Disclaimer: All prices and specifications subject to change.

CAMERA HARDWARE

MODEL: Optio I-10
TYPE: Compact Digital Camera
PRODUCT CODE: 16456 (Pearl White), 16471 (Classic Black)
UPC: 027075163096 (Pearl White), 027075163553 (Classic Black)

SENSOR

Type: 1/2.3" interline transfer CCD w primary color filter
Effective pixels: 12.1
Total pixels: 12.39
Recorded resolutions
Still: 12M (4000x3000), 9M (16:9, 4000x2256), 7M (3072x2304), 5.3M (16:9, 3072x1728), 5M (2592x1944), 3.8M (16:9, 2592x1464), 3M (2048x1536), 2.1M (16:9, 1920x1080), 1024 (1024x768), VGA (640x480)
Movie: 1280x720p30/15, 640x480p30/15, 320x240p30/15
Quality levels: Fixed, 12M (H)

LENS

Type/construction: PENTAX zoom lens, 7 elements, 6 groups (3 aspheric elements)
Optical zoom: 5X
Focal length (equiv.): 5.1-25.5mm (28-140mm)
Digital zoom: 6.25X
Combined zoom: 31.3X
Intelligent zoom: Approx 6.5X at 7M to 31.3X at VGA
Aperture: F3.5-5.9

LCD/VIEWFINDER

LCD screen: 2.7" TFT color LCD (16:9) w anti-reflective coating
LCD resolution: 230,000 dots
Wide angle viewable: Yes
Viewfinder: n/a

FOCUS SYSTEM

Type: TTL contrast detection autofocus
Focus modes: 9 point AF, Spot AF, Auto Tracking AF, Macro, Super Macro, Infinity Landscape, Pan Focus
Manual focus: Yes
Macro focus: Yes
Focus lock: Yes, by pressing the shutter release button half way
Focus range
Normal: 1.31' to infinity (wide), 3.3' to infinity (tele)
Macro: 0.33-1.64' (wide)
Super Macro: Approx 0.26' -0.49' (at mid zoom, set automatically)

FLASH

Type: Built-in series control auto flash
Flash modes: Auto, Flash Off, Flash On, Auto + Redeye, On + Redeye, Soft
Effective range: 13' (wide, auto ISO), 7.9' (tele, auto ISO)

STORAGE MEDIA

Internal memory: 26.7 MB
Removable memory: SD, SDHC

INTERFACES

Ports: USB 2.0 hi-speed, AV out
Video out: NTSC, PAL
Printer interfaces: n/a

POWER SUPPLY

Power source: Rechargeable Li-Ion battery D-LI92
Recordable images: Approx 250
Playback time: Approx 300 min
Movie recording time: Approx 100 min
Audio recording time: Approx 350 min
AC adapter available: Yes (optional)

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D): 4.0 x 2.6 x 1.1"
Weight
Without battery or removable memory: 4.7 oz
Loaded and ready: 5.4 oz
Construction material(s): Reinforced polycarbonate plastic
Operating temperature: 32-104°F
Weather Resistant: n/a
Shock Resistant: n/a

TIMING

Startup: Approx 1.7 sec
Release lag: Approx 0.04 sec

LANGUAGE SUPPORT

English, French, German, Spanish, Portuguese, Italian, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Thai, Korean, Simplified/Traditional Chinese

KIT COMPONENTS

Optio I-10, USB Cable I-USB7, AV Cable I-AVC7, Rechargeable Li-Ion Battery D-LI92, Battery Charge Cradle D-BC92(A), AC Plug Cord, Strap O-ST20, Software CD-ROM S-SW104

OPTIONAL ACCESSORIES

AC Adapter Kit K-AC92, Battery Charger Kit K-BC92, Case1, PTX-L50 Medium Nylon Case, Remote Control WP, Optio Extended Warranty (+2 year)

IMAGE CAPTURE

IMAGE STABILIZATION

Still: Sensor-Shift SR, Pixel Track SR, Digital SR (ISO 3200-6400 5M or 3.8M)
Movie: Movie SR

METERING SYSTEM

Type: TTL
Multi-segment: Yes
Center weighted: Yes
Spot: Yes
Exposure compensation: +/- 2 EV (1/3 steps)

ISO SENSITIVITY

Auto: 80-800, Digital SR 80-6400 (ISO 3200-6400 at 5M or 3.8M)
Manual: 80-6400 (ISO 3200-6400 at 5M or 3.8M)

WHITE BALANCE

Auto preset modes: Auto, Daylight, Shade, Tungsten, Fluorescent
Manual mode(s): Yes

SHUTTER

Type: Programmed AE electronic lens shutter w CCD electronic shutter
Shutter speed: 1/2000 to 1/4 sec (up to 4 sec in Night Scene mode)

CAPTURE MODES

Mode selection: Auto Picture (Standard, Landscape, Portrait, Night Scene Portrait, Night Scene, Sport, Flower, Candlelight), Program, Night Scene, Night Scene Portrait, Half Length Portrait (3M or 2.1M), Movie, Landscape, Flower, Portrait, Surf & Snow, Sport, Digital SR (ISO 3200-6400 5M or 3.8M), Kids, Pet, Food, Fireworks, Frame Composite (3M or 2.1M), Party, Natural Skin Tone, Candlelight, Text, Blog (VGA), Digital Wide (5M), Digital Panorama (2M per frame), Green, Voice Recording (via reprogrammable Green button)
Green simplified mode available: Yes
Face detection available: Yes (up to 32 faces in 0.03 sec), Smile Capture, Blink Detection, Pet Recognition (3 faces)
P/A/S/M/B: P
Date stamp: Yes, date, date-time, time (not available in Green mode)
Digital filters (capture): n/a
Dynamic Range Adjustment: Yes, highlight and shadow correction

DRIVE MODES

Mode selection: One Shot, Self Timer, Continuous, Burst, Remote Control
Continuous FPS: 1.01 FPS for 8 frames, Burst 2.64 FPS for 6 frames, 4.35 FPS for 6 frames at ISO 3200-6400
Self-timer: Yes (10s, 2s)
Remote control: Infrared (optional)

PLAYBACK MODES

Mode selection: One Shot, Index (6 or 12 thumbnails), Magnification, Movie Playback, Sound Playback, Histogram, Picture In Picture, Folder, Select & Delete, Calendar
Mode pallet: Slideshow, Image Rotation, Small Face Filter, Digital Filter, Original Frame, Frame Composite (3M or 2.1M), Movie Edit, Redeye Edit, Picture In Picture, Resize, Cropping, Image & Sound Copy, Voice Memo, Protect, DPOF, Image Recovery, Startup Screen, [Face Zooming](#)
Magnification: Yes, up to 10X, scrollable
Digital filters (playback): B&W, Sepia, Toy Camera, Retro, Color, Color Extract, Color Enhancer, High Contrast, Starburst, Soft, Brightness
Movie edit: Save as still image, movie divide, title picture

FILE FORMATS

Still: JPG (EXIF 2.2), DCF 2.0, DPOF, Print Image Matching III
Movie (compression): AVI (Motion JPG) w Sound
Sound: WAV (PCM), monaural

FILE STORAGE MATRIX (BASED ON 1GB MEMORY)

STILL		
12M(H)	214	
12M	419	
9M	508	
7M	598	
5.3M	737	
5M	737	
3.8M	959	
3M	1185	
2.1M	1727	
1024	3556	
VGA	6717	
MOVIE (H:M:S)	30 FPS	15 FPS
HD 720p	0:05:05	0:10:10
VGA	0:15:02	0:29:38
QVGA	0:23:59	0:45:48
SOUND (H:M:S)	12:28:41	

COMPUTER SYSTEM REQUIREMENTS*

*For device connectivity. Bundled software requirements may vary.
Windows: Windows XP/Vista/7, USB port
Mac: MacOS-X 10.3.9, 10.4, 10.5, 10.6, USB port