

DS-9100

- Intelligent 2 microphone system
- Precise 4 position slide switch
- 2.4" full color display (260,000 colors)
- 256-BIT file encryption with DSS Pro audio codec
- Flexible dictation tagging (with DSS Pro)
- Impact-resistant body up to 1.5m high
- Includes ODMS Cloud license for 12 months



ENCRYPTED HANDHELD DICTATION

The DS-9100 offers advanced features such as superior audio beam forming noise cancellation, 256-BIT AES file encryption, streamlining workflow and enhancing dictation management efficiency. Using our unique Audio Beamforming, the intelligent dual microphones effectively prioritize the speaker's voice and suppress ambient noise in various settings like offices, hospitals, and cars. The triple-layer studio-quality filter guarantees precise voice capture while minimizing unwanted sounds such as breath and wind vibrations. This results in superior accuracy, ultimately improving workflow efficiency.

Specifications

USB functionality

USB Speed	USB 2.0 High Speed
USB Classes	USB Audio class (Full Duplex) Storage Class (High Speed)
USB connection type	Type B (micro USB)

Display

Display Type	Full colour TFT display
Resolution	240 x 320 pixels
Display Size	36.72 x 48.96mm / 2.4"
Display Backlit	LED (White)

Device operation

Main Switch	Slide Switch
Push Buttons	10
Programmable button	F1 - F3
Power switch	Available
New button	Available

Microphone System

Omni directional	2 x
Pop Filter	3 layers
Diameter	8mm
Internal microphones	50 - 15000Hz

Recording Modes

Recording format	DSS Pro + DSS, Linear PCM, MP3
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Sampling frequency

DSS Pro	16kHz (QP)
	12kHz (SP)
DSS	12kHz
PCM	22.05kHz (Stereo / Mono)
MP3	44.1kHz (Stereo) / 128kbps
	44.1kHz (Mono) / 64kbps

Frequency response

DSS Pro	200 - 7000Hz (QP)
	200 - 5000Hz (SP)
DSS	200 - 5000Hz
PCM	(Stereo / Mono) / 50 - 8000Hz
MP3	128kbps (Stereo) / 50 - 15000Hz
	64kbps (Mono) / 50 - 13000Hz

Record function

Intelligent Two Microphone System	Available
Built-In Microphones	2x Omni-directional
Recording Monitor	Available (variable)
Mic Modes	Dictation 1 (for quiet environments)
	Dictation 2 (high directionality for noisy environments)
	Conference (Stereo + Intelligent Auto Mode)
Mic Sensitivity	High / Middle / Low
VCVA	Available (adjustable)
Dictation features	
Editing	Overwrite
	Append Record
	Insert*
	Partial Erase*
	Editing only for DSS / DSS PRO / WAV
	* Insert in WAV only with DS-9100 & DS-2700;
	Partial Erase only with DSS / DSS Pro
Voice Command	Available (only DSS / DS2)
Index	Up to 32 per file
Hands-free recording	Available *
Hands-free transcription	Available *
	* with CR21/CR15 & RS31N/RS28N

Playback function

Playback speed	Slow (x0.5) / Normal / Fast (x1.5)
File operation	Forward / Reverse Skip
	Fast forward and
	rewind Skip Playback

Data organisation

Folders	7
Files per folder	200
Folder names	Available
changeable	
Clock synchronization with PC	Available

Workflow

Author IDs	10
Worktypes	Available 20
Option items	10
Priority	Available
Pending	Available

Storage Media

Internal memory	2GB (NAND Flash)
External SD/SDHC	Available (4 - 32 GB)
Card slot	

Compatible Software

ODMS	Version 8 (or higher)
ODMS Cloud*	Version 1 (or higher)
	Note: WiFi functionality not supported
Third party software	Check supported audio file formats by third party software

Interfaces Input

PC interface	USB cable and docking station
Microphone jack	3.5 \varnothing mm jack, impedance 2 k Ω .

Interfaces Output

Max. working output	320mW
Maximum headphone output	\leq 150 mV (conforms to EN 50332-2)
Speaker size	11 x 15mm
Speaker design	Closed chassis
Speaker type	Dynamic
Earphone jack	3.5 \varnothing mm mini-jack, impedance 8 Ω or more

Connections

Docking station connector	Available (CR21 / CR15)
Microphone jack	3.5mm (2 k Ω)
Earphone jack	3.5mm (8 Ω or more)
WLAN / LAN	*
WLAN standards	IEEE802.11 b/g/n/a/ac
Security	WEP, WPA/WPA2 Personal / Enterprise

Power Supply

Power source	Battery: LI-92B Rechargeable Lithium-Ion battery	
Battery capacity	1350mAh	
Exchangeable	Available	
Charging time	Approx. 2h (OM SYSTEM AC Adapter)	
4h (via USB)		
Max. Battery Life	Recording: Approx.	
DSS	QP	48h
	SP	52h
PCM	Stereo	54h
	Mono	56h
MP3	Stereo	52h
	Mono	55h
Power-Save	Available	
Motion Sensor	Available	
External power supply		
External AC adapter	A517, F-5AC	
Standard voltage	3.6V	

Dimensions / Weight

Height	120.8mm
Width	49.8mm
Depth	18.6mm
Weight	116.5g (incl. battery)

Exterior

Housing colour	Black
Shock resistant	1.5m (based on Olympus' standard testing procedure)
Housing material	Plastic
LED	Multi-Colour
Alcohol wipe resistance for disinfection	Ethanol (76.9 - 81.4 v/v%) Isopropanol (70 v/v%)

Environment

Temperature	0 - 42°C (operation) / 5 - 35°C (charging)
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Languages

Menu languages	CS, DA, DE, EN, ES, FR, IT, NL, PL, SV, RU
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Hardware Security

Device lock by PIN code	Available
Lock single files	Available
256 Bit AES file encryption	Available (only DSS Pro)
DLP - Data Loss Prevention	Available

Operating Systems & Requirements

Windows	Windows 10/11
Macintosh	Mac OS X 10.10 - 14

Available accessories

Docking station	CR21, CR15
Microphone	ME15
Foot-/ Hand controller	RS31H
Telephone Pick-Up	TP8
Li-Ion rechargeable battey	LI-92B
AC Adapter	A517

Recommended Application Area

Application	Dictation Interviews Meetings Speech-to-text
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