

Projector
JAVES
Green

德素投影机



LED projector with Mobile Phone

Function & Feature

PMP-N70



Javes Projector

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1. Product Definition

(Only for reference)



2. Functions

Main Features	
frequency band	GSM/GPRS900/1800/ 1900 Tri-band
GPRS	GPRS 12 B
Design	bar phone
Dimension	size for reference 115.6X23.3X48.6 mm
Talk time	2-3 hours
Stand-by Time	200-250 hours
Video play time under projector mode	More than 2 hour (Battery)
Battery	1800mAH
Main Display Screen	240 × 320 QVGA 2.4" TFT LCD
Resolution of projector	640 × 480 VGA
area/distance for projector	3" ~ 30" (in normal environment)

	30" ~ 64 " (in dark environment)
External Video Interface	CVBS, support VGA Interface through a conversion line, able to connect with PC
External Audio Interface	left right channel Line In. External audio input can be played with the phone's audio broadcast system
Touch Screen	supported, Four-resistive
Camera	130mega pixels
aerial	Built-in Tri band
Speaker	More than 0.5W Super sound Speaker
Tones	64 chord, Mp3
Bluetooth	Supported
MP3	Supported, Play time(Headset mode, full volume): 10 hours
MPEG4	3GPP/AVI Supported
USB port	USB1..1 speed support 12Mbps
WAP	2.0
Hands Free	Supported
Sound Recording	Supported (time depends on the free storage)
Others	SMS/MMS

Software Functions

Display Mode	
Mode and controller	LCD Mode/ Phone Projection Display(PPD) Mode / Projector Mode. Switch by key or software setting
LD Mode	projector module is off. The same as normal mobile phone
PPD Mode	projector module is on, LCD screen off, content in mobile phone is displayed by projector module. External audio interface is not available.
Projector Mode	projector module is on and display content put in by External Video Interface. Content in mobile phone is displayed by LCD.
picture/animation	
Static pictures	- GIF
	- JPEG
	- WBMP
	JPEG/GIF can be set as wallpaper
pic view	Normal picture viewer mode and automatically in slide show mode can be selected, and pause time of each slide can be changed.

Phone-book	
phone book	Capacity can be shown as ???/500 (??? Is the number of contacts that have been created)
	The capacity is 500pcs
	Group manage, Photo Contacts
	copy single/all contacts to the SIM card (only name and phone number)
	mobile number, home number, office number, fax number
	up to 40 characters are supported in each piece.
SIM Phone book	capacity display
	SIM support
	copy single/all contacts to the phone-book (only name and phone number)
	calling display can be derived to T-Flash card
Call register	
Call register	50 dialed numbers
	50 answered numbers
	50 missed numbers
	date and time are marked in each record
Services	
Call waiting	Supported
Call barring	Supported
Call divert	Supported
Answer	Auto answer
	Any key answer
	Answer Key
Auto redial	Supported, 10times
	on/off can be set
Prompt	
Calling/ Message/ missed call/ unread message/ Alarm Prompt	Silent
	Vibrate
	Ring tones
	Vibrate + Ring
start-up & shut-down tones	Supported. On/off
Incoming call tones	Incoming ring tones
	when had set is available, ring is on both ear phone and the phone speaker, vibrate rate at the same time.
	8 levels setup for Ringing volume
Keypad tones	Supported. On/off
	5 levels setup for volume
other	Prompt for other dialog boxes

Language	
Language	English/ Chinese(S & T) other Language can be made
Hand writing Cognition	Chinese & English are supported
Input method	Zi
sound recording	
Not at calling	AMR, Time is unlimited
At calling	AMR
	Conversation recording supported
	Time is unlimited
Tools	
Alarm	3. Power-off alarm supported. Date setting is available
Calendar	Supported
Calculator	Supported
Unit conversion	Supported
World time	Supported
Camera	
Pixel	1,30 Million pixels
Photographing preview	Supported
Continuous photographing	3 photos supported
size of photo	320*240 640*480
quality	High/mid/low
special effects	Supported
Frames	Supported.
Sound effect of photographing	Supported
Route that photos are stored	T-flash card
Video recorder	
Quality	High/mid/low (MJPEG+PCM) 240x196 10fps
Special effect	Supported
route of Storing	T-flash card
Audio player	
Supported Audio Format	PCM, ADPCM, DAF, WAV, AMR-NB/WB, AAC, HE-AAC, AAC+, Mp3
MP3	stereo, support up to 48kHz, 320kbps
playing order	in turn
background playing	Supported
Audio Format	MP3 AMR
Video	
Video Decode	MPEG4 + AAC QCIF 20fps
	MPEG4 + AMR QCIF 20fps
Video Encode	MJPEG + PCM QCIF 10fps
Games	
Build-in games	Supported
Download Games Through WAP	Supported

External Game Pad	Supported
Operators features	
SIM Tool Kit	SAT release 99 Supported
GPRS	GPRS 12 B Supported
SMS	
SMS	Long messages supported/ 20 messages in common use are build in/ Info Messages/ Group-Sending supported
	Capacity: 500 in total in inbox, sent box and unsend box.
	(4 pages) SMS with links supported
	capacity display supported
EMS	
MMS	
Standard	Supported
MMS capacity	100K
MMS video. Audio limited	99K
Send photos/ audios/ videos through MMS	Supported
WAP	
WAP	Version 2.0 OMA (WAP forum)
change home page	Supported
WAP push message	<50k (SL,SI,CO)
build-in WAP/MMS OTA setup	Supported
send photos audios and videos through WAP MMS	Supported
Download frames/ screen saver/ ring tones/ wallpaper through WAP	Supported
build-in network setup	Supported
Voice Mail	Supported
Settings	
adjustable backlight sleep time	0/10/20/30 sec
adjustable backlight	Supported, 5 levels
adjustable volume of audios	Supported
adjustable volume of tunes	Supported
set photo as wallpaper	Supported
Photo contact	Supported
USB	
USB standard	Device 1.1 Full Speed
USB flash disk	Supported, automatic recognition only available when power on
Battery Charge up by USB	Supported
data transmission	Supported
Security	
firewall	Support Call, SMS firewall

Phone-book, Calls Record, security code for SMS	Supported
Other	Support SIM lock, Phone Lock, Keypad Lock