

SOSAM UHS-I V30 U3 A1

64GB TF Card

Datasheet Ver1.0

I.Product Description

This 64GB UHS-I TF memory card utilizes the High performance controller and 3D TLC NAND flash. It is designed to deliver reliable, high-performance storage for dash cams, surveillance systems, smartphones, tablets, and other consumer electronics. Having passed comprehensive factory validation—including capacity, speed, compatibility, high-temperature aging, and extended reliability tests—this card ensures stable operation for continuous recording and everyday data storage.

II.Key Specifications

Item	Specification
Part Number	KMTUAE64G4H1P1C
Product Model	TF Card
Controller	AS2709
Flash Type	3D TLC
Flash Memory	3DV7
Interface Standard	TF card, UHS-I (SDR104)
Speed Class	Class 10, U1, A1
Nominal Capacity	64 GB
Available Capacity	≈ 58.2 GB (exFAT formatted)
File System	exFAT (Default), supports NTFS
Performance (Tested)	Seq. Read up to: 94 MB/s
	Seq. Write up to: 44 MB/s
Dimensions	15.0 × 11.0 × 1.0 mm (Standard TF card)
Test Result	All tests PASS, 100% yield

III.Detailed Performance

Note: Data derived under standard test conditions. Actual performance may vary by host device, interface, and file type.

3.1 Sequential Performance

Test Tool	Read Speed	Write Speed
CrystalDiskMark (1GB, Seq Q32T1)	up to 94 MB/s	up to 41 MB/s
ATTO Disk Benchmark (256MB)	up to 90 MB/s	up to 44 MB/s

3.2 Sustained Write & Integrity Verification

Test Item	Tested Performance	Description
H2testw Full Write & Verify	Read: up to 72 MB/s	Verifies genuine capacity, data integrity, and absence of bad blocks.
	Write: up to 33 MB/s	

IV.Compatibility &Reliability

4.1 Compatibility

- OS: Windows XP/7/8/10, Linux, macOS.
- Supported Devices:Dash cams, surveillance cameras, smartphones, tablets , portable speakers, card readers, and other digital accessories

4.2 Reliability Verification

This product has passed strict reliability verification to ensure data security and long-term stable operation.

Test Item	Condition / Cycles	Result
High-Temperature Storage	100°C for 4 hours	PASS (Full function & data integrity verified)
Burn-In / Stress Test	201 cycles of continus R/W	PASS (No failure)
Full Capacity & Bad Block Check	H2testw full verification	PASS (Genuine capacity, no bad blocks)
Multi-OS Compatibility	Win/Linux/macOS	PASS (Normal detection, format, R/W)

V.Important Notes & Disclaimer

- 1.**Performance:** Rated speeds are maximum values under ideal lab conditions; actual speed varies by device, interface, file size, and system status.
- 2.**Capacity:** Nominal capacity is defined as 1GB = 1,000,000,000 bytes. Usable capacity is less due to file system overhead.
- 3.**Usage:** Format the card on the host device before first use for optimal compatibility.
- 4.**Warranty:** Specific warranty terms are provided by the brand or supplier.

This datasheet is based on test data of engineering samples. The manufacturer reserves the right to update specifications and revise documents without prior notice.

For More Information

For Technical Support:

If additional support is needed, please visit the SOSAM Web site at www.kumi2020.com

for the following topics:

- **Warranty Services:** Includes the warranty service policy and the RMA requestforms.
- **Technical Information:** Includes product data sheets and various USB whitepapers.
- **Tools Section:** Includes frequently asked questions (FAQs).